State of Oregon
Department of
Environmental
Quality

SOUTHERN WILLAMETTE VALLEY 2002 GROUNDWATER STUDY

Final Report

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Southern Willamette Valley 2002 Groundwater Study

ABSTRACT

During the Spring and Summer of 2002, The Oregon Department of Environmental Quality (DEQ) Groundwater Protection Program studied the current magnitude and extent of non-point source pollution of shallow groundwater in the Southern Willamette Valley. The Southern Willamette Valley is considered by DEQ to be a priority area for groundwater assessment and protection for several reasons, including: the severity and extent of nonpoint source groundwater contamination that has been documented in previous studies; the vulnerability of shallow groundwater to impacts from the overlying land uses; the expectation that the population growth in this area will rapidly expand; and that residents in the unincorporated areas of the Southern Willamette Valley will rely on groundwater as their primary drinking water supply. Water-supply data indicate that more than 80% of the groundwater used in the Willamette Valley is pumped from the shallow sand and gravel aquifer.

DEQ previously conducted a nitrate groundwater study of the Southern Willamette Valley in 2000-2001. That study confirmed and supplemented data previously collected by DEQ and other agencies characterizing the nitrate contamination of the in shallow groundwater in the alluvial aquifers. Shallow groundwater, defined as less than 75 feet below ground surface for the purposes of this study, was targeted for sampling as this is the resource most likely affected by anthropogenic activities.

The 2002 Southern Willamette Valley study focused on the resampling of wells from the SWV 2000-2001 study with nitrate values greater than 7.0 mg/l. The 2002 study included analyzing well water samples for nitrate, phosphate, iron, manganese, arsenic, lead, bacteria, pesticides, caffeine and other water quality parameters. Nitrate values were fairly consistent with previously reported levels. Fifteen (15) different pesticides were detected in the groundwater of the study area; most were detected at very low concentrations.

DEQ will use the results of this and previous evaluations to consider groundwater protection strategies, including the potential designation of Groundwater Management Area(s) or Area(s) of Groundwater Concern in the Valley, consistent with the State Statutes ORS 468B.150-188. If such a declaration is realized, then there will be a need to appoint a Lead Agency to develop a groundwater management plan with input from a Groundwater Management Committee comprised of local stakeholders. The primary goals of such management plans include the development and implementation of best management practices to lessen future groundwater contamination and the determination of appropriate means for current protection of public health and the groundwater resource.

I. INTRODUCTION

This report describes the work completed by the Department of Environmental Quality (DEQ) Groundwater Protection Program during the Spring and Summer of 2002 to study the current magnitude and extent of non-point groundwater pollution of shallow groundwater in the Southern Willamette Valley. The Southern Willamette Valley is considered by DEQ to be a priority area for groundwater assessment and protection for several reasons: including: the severity and extent of nitrate nonpoint source groundwater contamination documented by previous studies; the vulnerability of shallow groundwater to impacts from the overlying land uses; the expectation that the population growth in is area will continue to rapidly expand, and that residents in the unincorporated areas of this study area will rely on groundwater as their primary drinking water supply. The timing of this study was ideal as planning for future groundwater quality protection strategies resulting from the data allowed for integration and networking with other ongoing high-priority water quality improvement efforts in the Willamette Valley (i.e., Total Maximum Daily Loads [TMDLs] and the 1010 plans). The location of the Southern Willamette Valley is shown on Figure 1.

The goal of DEQ's Groundwater Program is to ensure that Oregon's groundwater is protected as a resource for all present and future beneficial uses. The protection strategy begins with monitoring and assessment to identify groundwater quality problems. Where nonpoint sources of groundwater contamination are identified, a Lead Agency to develop the Action Plan will be appointed and a groundwater management committees comprised of local stakeholders formed to advise State Agencies developing the groundwater management plan on local elements of the plan. Public education, research and demonstration projects are established to increase public awareness. These plans include development and implementation of best management practices to address groundwater contamination and protection.

When groundwater is contaminated from non-point sources at levels that exceed 70% of a Maximum Measurable Level [MML; OAR 340-40-90] for nitrate, or 50% of a MML for other parameters, DEQ is authorized to declare a "Groundwater Management Area." MMLs are generally equivalent to EPA's Maximum Contaminant Level (MCL) for public drinking water supply systems. The MML for nitrate is 10 milligrams per liter (mg/L). Once such a declaration is made, responsible agencies and local communities will work together to develop an Action Plan with a focus on the restoration of the groundwater quality. Through the development of an Action Plan, State government can play a key role in helping local governments, residents, and other stakeholders increase their awareness of groundwater quality concerns and mobilize them to take actions leading to groundwater protection and restoration of the water quality of this valuable resource.

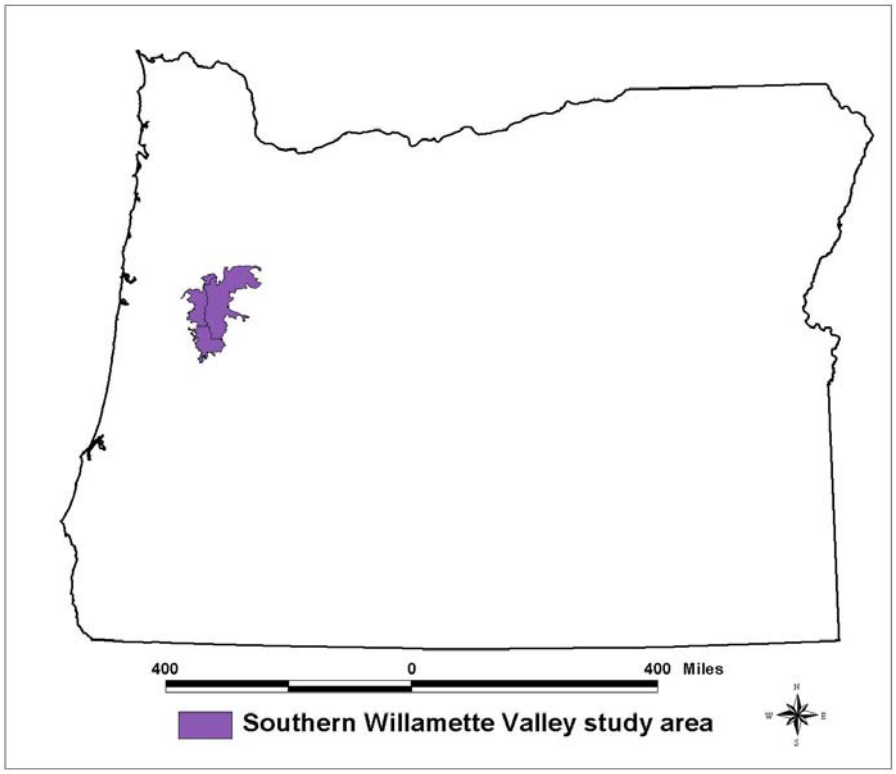

Figure 1

Locale of the Study Area

II. PURPOSE AND SCOPE OF THE STUDY

The purpose of this study was to supplement and confirm the nitrate results of the SWV 2000-2001 groundwater study, to evaluate the general groundwater geochemistry, and to assess overall pesticide levels in some of the shallow alluvial aquifers of the Southern Willamette Valley (SWV). Shallow groundwater, defined for the purpose of this study as less than 75 feet below the ground surface, in the alluvium has been the target of the recent studies because water-supply data indicate that more than 80% of the groundwater used in the Willamette Valley is pumped from this shallow alluvium (Hinkle, 1997). The unconfined shallow groundwater is assumed to be the groundwater resource most likely affected by anthropogenic activities.

DEQ's 2002 investigation was an expansion of the previous SWV study. Of the 476 wells sampled during the 2000-2001 study, 100 wells had nitrate values greater than 7.0 milligrams per liter (mg/L). These 100 wells were targeted for the expanded analyses program of the 2002 study. In addition to nitrate, pesticides and the collection of field parameters there was a decision to include other water quality parameters to allow for an increased understanding of the study site geochemistry. Bacteria samples were collected and analyzed courtesy of Oregon State University Extension Service.

III. DESCRIPTION OF THE SOUTHERN WILLAMETTE VALLEY

Location of the Southern Willamette Valley Study Area

The study area includes the lowlands of the southern portion of the Willamette Valley, extending from Eugene to Albany in Lane, Linn, and Benton Counties (see Figure 2). Areas inside the urban growth boundaries of Eugene, Corvallis, Albany, and Lebanon are excluded because of this study's emphasis on groundwater quality issues affecting non-regulated rural water supplies. The boundary of the study area approximately coincides with the limits of unconfined aquifers within the Southern Willamette Valley, known to include a shallow sensitive aquifer. It is bounded on the east by the Cascade Range, to the west by the Oregon Coast Range, to the north by the Salem Hills, and to the south by the city of Eugene's urban growth boundary. The study area encompasses approximately 780 square miles.

Land Uses

Land uses in the study area are predominantly agricultural, including a diversity of crops (field crops, such as grains, hay, mint and hops; seed crops such as grass and vegetable seeds; and vegetable fruit, nut, and nursery crops) and pasture. Many of these crops are irrigated. Commercial livestock production occurs in the study area, including 33 confined animal feeding operations (CAFOs) permitted by the Oregon Department of Agriculture. Non-agricultural uses include rural residential, commercial, industrial, and natural habitat enhancement. A complete description of the land uses and the other groundwater quality studies conducted in this area is contained in the Southern Willamette Valley Groundwater 2000-2001 Assessment, Final Report (DEQ, 2003.)

Hydrogeology

Previous work in the Willamette Valley conducted by the US Geological Survey (USGS) and the Water Resources Department (WRD) has defined five regional hydrogeologic units. These regional units are (1) the Basement Confining unit, (2) the Columbia River Basalt unit, (3) the Willamette Confining unit [not shown as it underlies various units and does not surface in the study area], (4) the Willamette Aquifer [depicted as the Older and Younger Upper Sedimentary Unit], and (5) the Willamette Silt unit (see Figure 3).

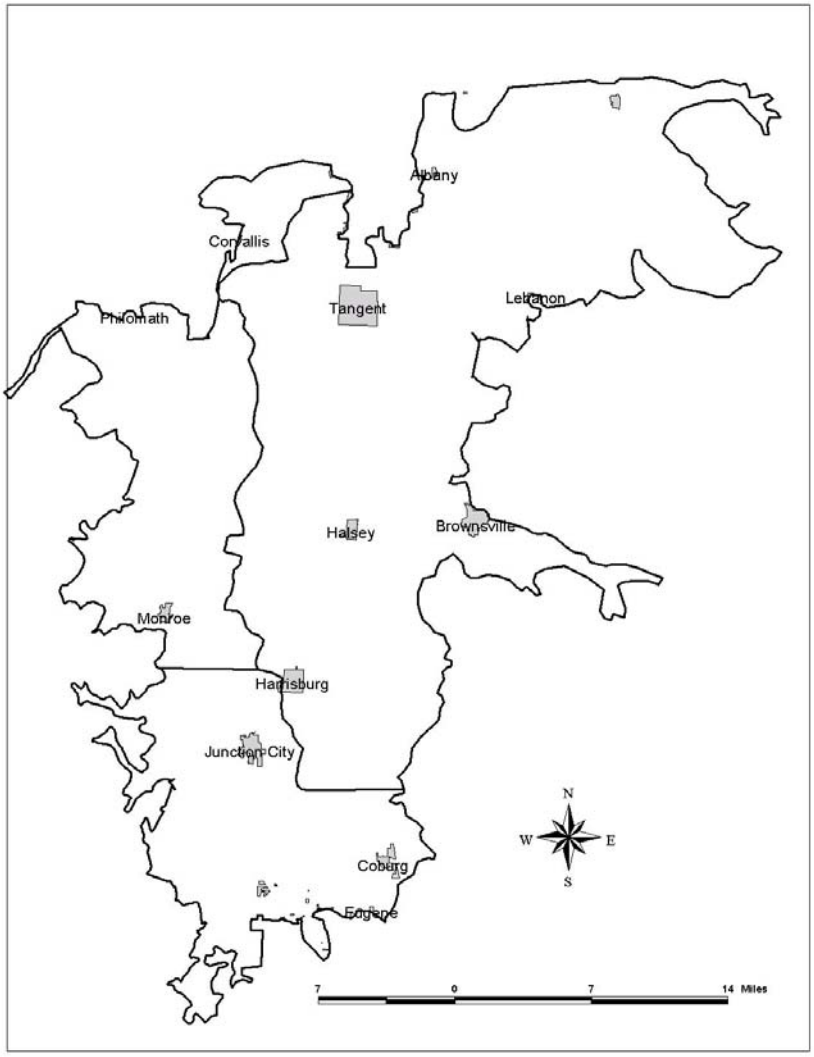

Figure 2

Location of the Southern Willamette Valley Study Area

The highlands of this study area are chiefly comprised of marine volcanic and sedimentary rocks of the Coast Range to the west and of the volcanic rocks of the Cascades to the east. The alluvial deposits in the valley are a heterogeneous combination of materials, ranging from clay to gravel. The character and distribution of the unconsolidated deposits in the lowlands exert substantial control on current topography, soil characteristics, and groundwater properties. The extent and thickness of major Quaternary-age deposits control a majority of the regional groundwater systems within the Willamette River Basin.

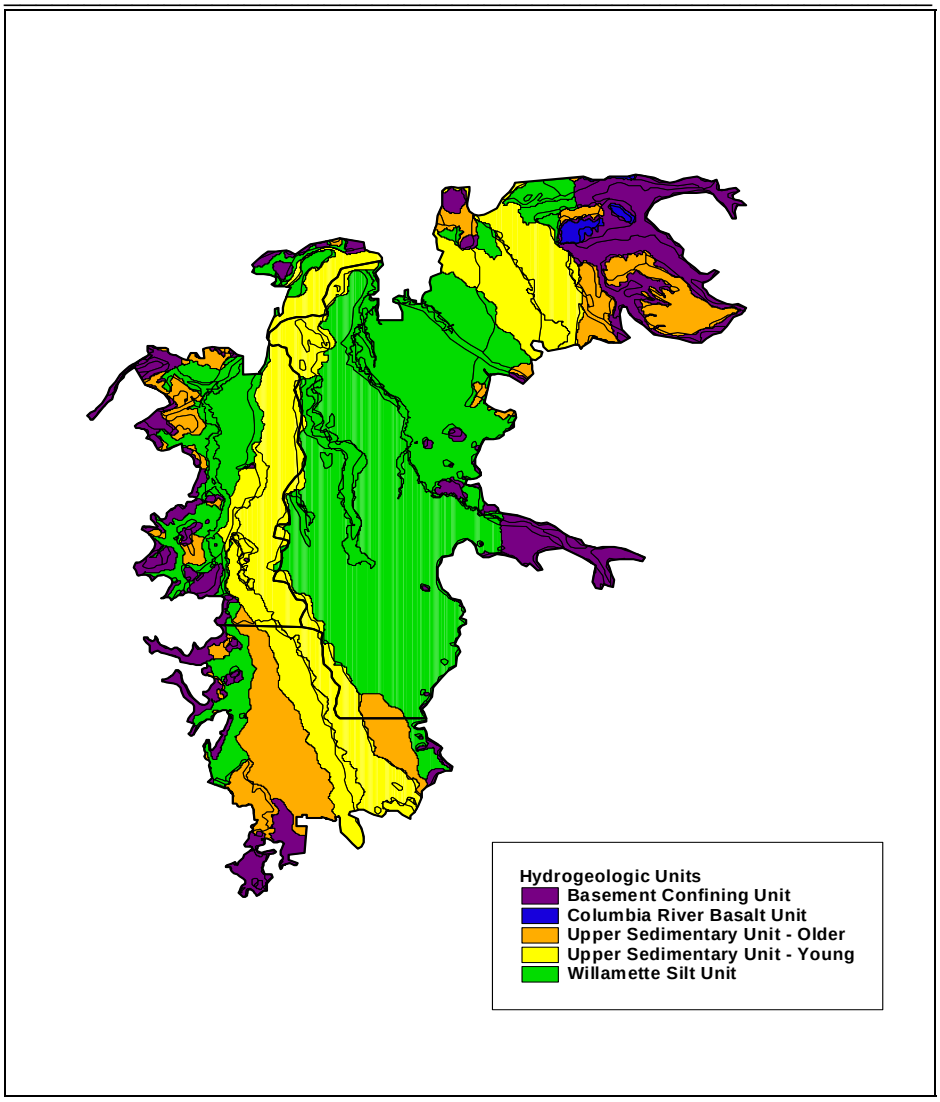

FIGURE 3

Southern Willamette Valley Hydrogeologic Units

The Upper Sedimentary Units, and especially the Younger member, contains the most important and productive aquifer in this study area. The combined Younger and Older members of the Upper Sedimentary Unit are referred to as the Willamette Aquifer. This aquifer is more permeable and susceptible to contamination than other basin deposits, such as the Willamette Silt.

In the study area, groundwater in the younger unit of the Willamette aquifer generally occurs under unconfined conditions. The overall groundwater flow direction of the shallow alluvial aquifers is towards the Willamette River. Groundwater in the close proximity of the Willamette River will tend to flow in the direction of the river drainage.

IV. STUDY DESIGN AND METHODS

Project Organization and Responsibilities

This groundwater assessment was undertaken as a DEQ Groundwater Program initiative, in consultation with Oregon State University Extension Service (OSU), Oregon Department of Human Services (DHS), and Oregon Water Resources Division (WRD). Responsibilities for all participants are detailed in the Appendices as Attachment A.

Selection of the Parameters

The 100 wells that had measured nitrate levels greater than 7.0 mg/L in the earlier SWV groundwater study were selected for the 2002 analyses. In addition to nitrate, pesticides and the collection of field parameters, sampling of well water was conducted for the analyses of: arsenic; lead; selenium; caffeine; chloride; sulfate; ammonia; total phosphate; and total kjeldahl nitrogen (TKN). Bacteria samples were collected and analyzed courtesy of Oregon State University Extension Service.

Nitrate was included in this study for the purpose of comparison to the earlier 2000-2001 values. It is known that nitrate in groundwater may originate from a number of point and non-point sources, including fertilizer, manure, septic systems, natural soil nitrogen, atmospheric deposition, land disposal of municipal waste, and fixation of atmospheric nitrogen.

Pesticides, which include herbicides, fungicides, insecticides and any associated metabolites, are frequently used in combination with fertilizers. An over-application of a pesticide on the land above the shallow alluvial aquifer may be eventually detected in the underlying shallow groundwater. Pesticides found in the groundwater may originate from a variety of non-point sources, such as applications to agricultural land, home lawn, private and public parks, golf courses, and road and ditch maintenance. As the pesticides studied in this project are all synthetic chemicals, background concentrations for these constituents should be below the method detection level, i.e., should not be detected.

Some parameters were selected to gain a better understanding of environmental indicators of the agricultural processes. Phosphate, total kjeldahl nitrogen and ammonia may be present due to fertilizer application or a result of decaying crop remnants. Several parameters were selected to give homeowners more information about the safety of their drinking water. Bacteria may be found in well water samples if the well is in close proximity to a septic leach field or if the well is poorly constructed or maintained. Lead may most likely be present in well water samples if there is lead solder in the pipes. Arsenic is most likely to be naturally present in deeper bedrock aquifers in the SWV; however USGS indicated that at a regional scale, well depth does not appear to be a useful indicator of arsenic levels (Hinkle & Polette, 1999). Caffeine was selected as a potential indicator of influences from septic systems.

The other parameters selected for this study were chosen to gather information to better characterize the geochemistry of the groundwater. The collection of data from a specific time period can allow for examining the relationships between the various parameters. This type of analysis could be very useful when evaluating the various sources of contamination and developing groundwater protection strategies.

Sampling Design

Groundwater samples were collected from the targeted wells over a three month period, from May to July 2002. DEQ staff re-established contact with the current owners of these study wells and requested permission to access the wells previously sampled. If the previous owner no longer resided at the known address for a targeted well, DEQ staff explored County records, web-sites such as Anywho.com, or contacted neighbors to determine the current owner and/or resident. The new owner was approached, and DEQ staff explained the project and sought their permission to resample the targeted well.

Several residents indicated they had installed new wells or deepened their existing wells based upon the SWV 2000-2001 sampling results. In these situations, both the new deep well and the older shallow well were scheduled for sampling, if both were accessible. Additional wells were included as DEQ's request to resample the all the original targeted wells was not always successful.

Two teams of two to three field staff collected samples for three consecutive days during the last week of each month. The wells selected for each months' sampling were based upon the response to DEQ requests for permission to sample. Sampling dates and times were scheduled with each resident, and a call to the homeowner was placed approximately 1 hour prior to the planned site visit to inform them the sampling crew would be arriving shortly. Complete details on this subject are presented in DEQ's Upper Willamette Basin Groundwater Assessment – Final Sampling and Analysis Plan, June 2002.

Sample Collection Methods

Field sampling was conducted in accordance with DEQ's standard procedures (DEQ, 1993 a & b) and the Final Sampling and Analysis Plan (DEQ, 2002). Prior to sample collection, the depth to water in the well would be measured, if possible, and recorded. If the resident was present, they would be asked about recent water usage. An electronic water depth probe was used to gauge the depth to water levels. Additional ½" pipe plugs and 7/16" hexhead bolts, a ratchet and a small crescent wrench were available to remove the wellhead cover and replace any breakage that may occur during this procedure. Depth to water levels were not collected at wells when the resident was not present or if the well was inaccessible.

Wells were purged for approximately 5 minutes. Temperature, pH, and specific conductance were measured in the field and recorded on field data sheets and well site identification sheets (see the Appendices, Attachment B1 and B2). A GPS reading would

be gathered, and recorded on these sheets with the preassigned site LASAR number. Pictures of wells and the surrounding area were taken as appropriate.

Samples for nitrate/nitrite, ammonia, phosphate and TKN were collected in 500 ml"R" poly containers, and acidified to a pH<2 with sulfuric acid. Metals were collected in 250 ml "TM" poly containers, and acidified to a pH<2 with nitric acid. Alkalinity samples were collected in a 1000 ml "P" poly container. Chloride and sulfate samples were field filtered with a 0.45 micron filter, and collected in 250 ml "DP" poly container. Bacteria samples were placed into sterilized 125 ml containers prepared by Department of Human Services Laboratory. Pesticides were placed in 2 liter amber glass containers. All samples were cooled on ice after collection and during transport to the appropriate laboratories.

V. RESULTS OF THE 2002 SAMPLING

Overview

Of the 100 wells sampled during the 2000-2001 Southern Willamette Valley (SWV) groundwater investigation, only 87 wells were included in the SWV 2002 study. There were many reasons why 13 of the original wells were not included in this sampling program. Some wells had been decommissioned and replaced with new wells; several well owners had moved and new owners could not be contacted; and at least one previous well owner was deceased and there was no clear new ownership of the well. Three owners declined further involvement in this study, and we were not able to get timely approval for sampling one well that provides drinking water to five families.

While designing the sampling program for the SWV 2002 study, two other relevant opportunities for nitrate and pesticide sampling materialized. The City of Coburg requested that DEQ help them in determining the extent of septic system impact to the groundwater in and near the town's Urban Growth Boundary (UGB). The entire town of Coburg employs individual septic systems to treat residential and commercial wastewater. The associated impact from septic systems on groundwater would be best evaluated by nitrate analyses. As the City of Coburg is adjacent to an area of concern for the SWV project, this proved to be a timely request. Samples were collected in areas presumed to be upgradient and downgradient of the UGB, as well as two private wells inside the UGB.

The second relevant study that was ongoing during our sampling event was the Oregon State University Food Toxicology and Nutrition Lab (Fish Lab). In the spring of 2000, Oregon State University researchers began finding an unusually high rate of liver cancer in untreated ("control") fish. A number of other unusual effects were found in the fish, including high mortality, altered growth, kidney damage, anemia, and various physical deformities. Researchers involved with the Fish Lab Project requested we consider sampling a selected group of private wells in the area for nitrates and pesticides. As the Fish Lab study site was within the SWV study area, this request was considered reasonable.

In total, 100 wells were sampled for nitrates, total kjeldahl nitrogen, total phosphate and ammonia analyses. A total of 95 bacteria samples were collected from all sampling locations except the Monroe pitcher pump and 4 UGB wells. Pesticides and the other inorganic analyses were limited to the SWV wells (87), the new deep wells (2), the Fish Lab study wells (3) and one (1) UGB well. The analytical data is contained in the Appendices as Attachment C

Nitrate

The DEQ Laboratory performed all nitrate analyses using EPA Method 353.2, with a Reporting Level of 0.005 milligrams per liter (mg/L) as Nitrogen (N). The highest nitrate value was 27.8 mg/L. The following areas had 17 wells with nitrate levels greater than or equal to 15 mg/L:

Junction City	5
Coburg	6
Halsey	2
Monroe	3[#]
Scio	1

Table 1: Areas where nitrate levels were greater than or equal to 15 mg/l

31 wells had Nitrate values greater than or equal to 10 mg/L and less than 15 mg/L in the following areas:

Junction City	14
Coburg	10
Corvallis	3
Albany	1
Halsey	1
Monroe	1
Shedd	1

Table 2: Areas where nitrate levels were greater than or equal to 10 mg/l and less than 15 mg/l

52 wells had Nitrate values less than 10 mg/L in the following areas:

Junction City	15*
Coburg	17
Harrisburg	6
Corvallis	5*
Albany	3
Halsey	1
Monroe	2*
Shedd	3

Table 3: Areas where nitrate levels were less than 10 mg/l

* includes either a new deep well or a new pretreatment system
# includes an old pitcher pump as a new monitoring location

Bacteria

Total Coliform

This is a group of bacteria which is aerobic and facultative anaerobic, rod-shaped bacteria. These bacteria are found in the intestines of warm blooded animals and thus will be present in sewage, on and in soils, vegetation and some surface waters.

The total coliform group has been used for sometime as an "indicator organism". This indicator organism by itself is considered to cause no diseases in man or animals. However, by the presence of this organism indicates the likelihood of other pathogenic or disease-causing organisms, such as *E Coli*.

The Oregon Department of Human Services performed all total coliform analyses. The Presence/Absence analytical method was selected for this procedure. Samples from 29 wells indicated the presence of total coliform.

E Coli

E. coli is used as an indicator of fecal contamination, as *E. coli* is abundant in human and animal feces.

The Oregon Department of Human Services performed all *E Coli* analyses. The Presence/Absence analytical method was selected for this procedure. Samples from 4 wells indicated the presence of *E Coli*.

Pesticides

The Oregon Department of Agriculture Laboratory (ODA) performed all pesticide analyses by a method similar to the one utilized by USGS when conducting the assessment of pharmaceutical and personal care products in environmental (water) samples. DEQ identified 31 parameters of interest, and the ODA lab ensured they had standards for all of these parameters. Solid phase extractions were followed by a full GC/MS screening evaluation, which is able to detect over 300 pesticides. If additional pesticides were found during this screening, those pesticides were added to the list of parameters of interest. Two separate Gas Chromatograph/Mass Spectrometer analyses were then conducted for the Fraction A (Acidics) Pesticides and the Fraction B (Neutrals) Pesticides. The detailed analytical method for this procedure can be found in Appendix as Attachment D.

15 different pesticides were detected above their respective reporting limits. Reporting limits varied between 6.0 and 35 nanograms per liter (ng/L) or parts per trillion (ppt). The following is a summary of these detections.

Atrazine and Desethyl Atrazine

By far the most widespread pesticides present were atrazine and its breakdown product desethyl-atrazine. Atrazine was reported to be present at 31 sampling locations, at concentrations ranging from 25-192 ng/L. Atrazine may have been present at 36 other locations at concentrations to low too quantify. The reporting limit for atrazine was 20 ng/L.

Desethyl-atrazine was reported to be present at 54 sampling locations, at concentrations ranging from 21 -776 ng/L. Desethyl-atrazine may have been present at 19 other locations at concentrations to low too quantify. The reporting limit for desethyl- atrazine was 13 ng/L.

Simazine

After atrazine and desethyl- atrazine, simazine was the next most frequently reported pesticide. Simazine was reported to be preset at 11 sampling locations, at concentrations ranging from 20 – 239 ng/L. There may have been simazine present at 9 other locations at concentrations to low too quantify. The reporting limit for simazine was 16 ng/L.

Terbacil

Terbacil was found to be present at 5 sampling locations, at concentrations ranging from 63 to 306 ng/L. Terbacil may have been present at two other

locations at concentrations too low to quantify. The reporting limit for terbacil was 20 ng/L.

Bromacil

Bromacil was found to be present at 4 sampling locations, at concentrations ranging from 60 to 273 ng/L. Bromacil may have been present at three other locations at concentrations too low to quantify. The reporting limit for bromacil was 20 ng/L.

Malathion

Malathion was found to be present at 7 sampling locations, at concentrations ranging from 28 to 118 ng/L. Malathion may have been present at four other locations at concentrations too low to quantify. The reporting limit for malathion was 20 ng/L.

Bisphenol-A

Bisphenol-A (also know as 4,4-Isopropylidenediphenol) was found to be present at 10 sampling locations, at concentrations ranging from 619 to 1108 ng/L. The reporting limit for bisphenol-A was 20 ng/L.

Metribuzin

Metribuzin was found to be present at 4 sampling locations, at concentrations ranging from 56 to 240 ng/L. The reporting limit for metribuzin was 8.0 ng/L.

Other Pesticides

Seven other pesticides were reported to be present one or two times. Table 4 summarizes those results.

TABLE 4
Results for Infrequent Pesticide Detections

Parameter	Number of Detections	Concentrations	Method Reporting Limit
3,4-Dichloroaniline	2	38-156 ng/l	35
Clopyralid	1	160 ng/L	15
Diazinon	1	72 ng/L	18
Ethofumesate	1	28 ng/L	6
Metolachlor	2	26 -44 ng/L	17
p,p-DDT	1	12 ng/L	10
Picloram	1	120 ng/L	15

Other Inorganic Analyses

DEQ's laboratory analyzed the remainder of the parameters, which included the nutrients (phosphate, TKN and ammonia) metals and basic water quality anions and cations. These results are summarized in Table 5 and presented in full in the Appendices as Attachment C.

VI. DISCUSSION

Nitrate

Nitrate concentrations exceeding 2-3 mg/L generally indicate anthropogenic contributions of nitrate (Madison and Brunett, 1985). In the Southern Willamette Valley where nitrate concentrations are commonly reported to be less than 1 mg/L, it is likely that "background" (non-anthropogenic) concentrations of nitrate approach the method detection limit of 0.005 ppm. The health-based federal drinking water standard (MCL) for nitrate in public drinking water systems is 10 mg/L.

Nitrate values in 2002 were generally higher compared to the results of samples collected from the same wells in 2000-2001. Nitrate values for samples collected in 2002 were higher 74 % of the time; the greatest rise for a given well was an increase of 12.1 mg/L. The averaged nitrate increase for these wells was 2.82 mg/L. Nitrate values for 2002 samples decreased or remained the same 26% percent of the time. For these wells, nitrate levels were lower in 2002 by as much as 5.4 mg/L, with an averaged decrease of 1.2 mg/L

Overall, the nitrate concentrations for the SWV study wells resampled in 2002 remained above 7.0 mg/L. The successive sampling and analysis over a 1.5 year period of time (December 2000 to July 2002) provides supporting information that some portions of the shallow groundwater in the SWV Study area have sustained nitrate levels above the 7.0 mg/L criterion. This correlates well with the other nitrate studies of this area.

Many of the wells from the 2000-2001 SWV Study with nitrate values greater than 7.0 mg/L are located near the Willamette River. Thus, it follows that those 2002 SWV Study wells with evidence of persistent high nitrate values are also close to the Willamette River.

The Younger, Upper Sedimentary Unit of the Willamette Aquifer is illustrated in Figure 4 as the area mapped in yellow. This unit is the most productive aquifer in the study area and in the Southern Willamette Valley. Figure 4 also illustrates that the majority of the wells sampled for the SWV 2002 (73 of 87 wells) study are in or immediately adjacent to

TABLE 5

RESULTS FOR INORGANIC PARAMETERS

Parameter	Analytical Method	Reporting Limit	Units	Number of detections	Highest Detection	Lowest Detection	Average
Alkalinity	2320 B	1	mg/l as CaCO3	93	180	42	78.15
Aluminum	3120 B	0.05	mg/l	4	1.46	ND	0.07
Ammonia	4500-NH3 H	0.02	mg/L as N	18	0.14	ND	0.025
Arsenic	3120 B	0.01	mg/L	1	0.01	ND	NA
Calcium	3120 B	0.1	mg/L	93	87	0.2	28.1
Chloride	4500-Cl C	0.5	mg/L	93	190	2.3	15.65
Conductivity	2510 B	1	umhos/cm	101	921	188	329
Hardness	3120 B	0.7	mg/L	93	311	0.8	134
Iron	3120 B	0.05	mg/L	16	7.72	ND	0.201
Lead	3120 B	0.01	mg/L	4	0.052	ND	NA
Lithium	3120 B	0.015	mg/L	0	ND	ND	NA
Magnesium	3120 B	0.1	mg/L	93	36.2	0.16	15.68
Manganese	3120 B	0.005	mg/L	11	0.29	ND	0.011
Phosphate	4500-P E	0.01	mg/L as P	100	0.91	0.02	0.099
pH	150.2	0-14	SU	101	7.7	6.3	NA
Potassium	3120 B	0.5	mg/L	93	2.91	0.06	1.47
Selenium	3120 B	0.01	mg/L	0	ND	ND	NA
Sodium	3120 B	0.3	mg/L	93	70.1	6.4	13.65
Sulfate	300	0.2	mg/L	93	6.26	0.7	18.06
Total Kjeldahl Nitrogen	351.2	0.2	mg/L as N	4	0.4	0.2	NA

this highly productive unit. This unit surrounds or abuts the main stem of the Willamette River in the study area as seen in Figure

The lack of a significant thickness of an overlying protective material, such as the Willamette Silt, leaves the unconfined sand and gravel sedimentary aquifer extremely vulnerable to influences from land uses. It is apparent there may be some minimum thickness of Willamette Silt that could be effective in preventing high level impact of nitrate to shallow groundwater. Although there are at least 9 wells located in the Willamette Silt unit that are monitoring portions of an aquifer with nitrate levels above 7.0 mg/L, most of these wells are in areas where the Willamette Silt layer is likely relatively thin.

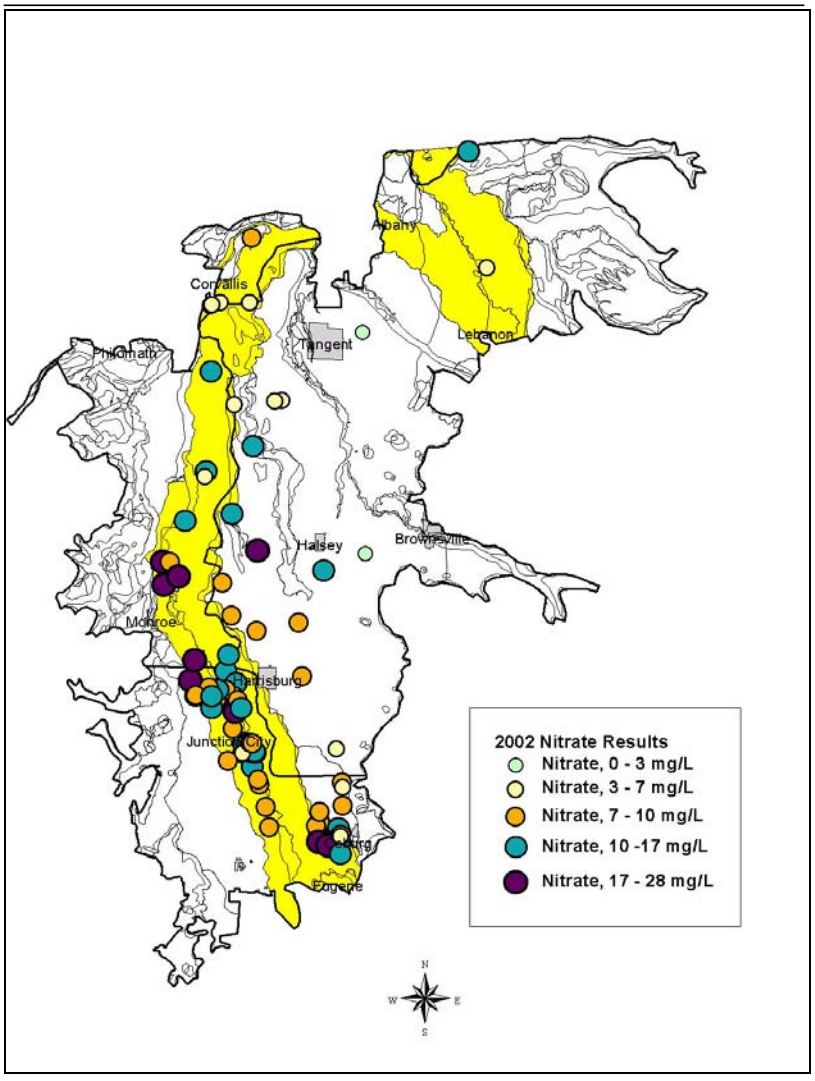

Figure 4

Nitrate results from the 2002 sampling event relative to the Upper Sedimentary Unit (Younger)

The Willamette Silt and its potential to degrade nitrate has been a focus of several recent Oregon State University (OSU) studies (Haggerty, 2001). In areas where the unconsolidated sedimentary aquifer is semi-confined and beneath the Willamette Silt unit, the Willamette Silt unit appears to protects groundwater quality. Nitrate does not appear to penetrate the Willamette Silt below a redox front (likely Fe3+/Fe2+ couple). The depth of the redox zone may vary and it is not precisely clear which other parameters may affect the rate of nitrate degradation.

The OSU nitrate studies occurred principally in the Northern Willamette Valley where the Willamette Silt layers are relatively thick; however the nitrate degradation phenomenon may likely happen in some areas of the Willamette Silt unit south of Salem. OSU plans to be studying the potential degradation of nitrate in the Southern Willamette Valley in the summer of 2003.

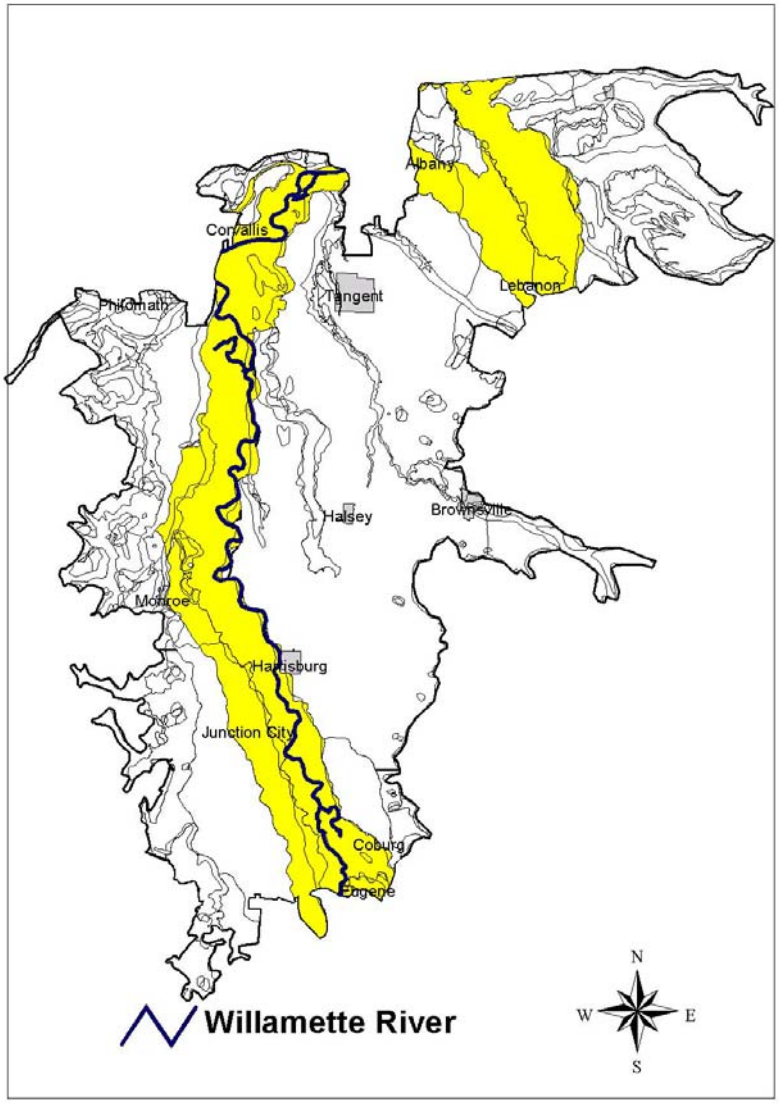

Figure 5

The main stem of the Willamette River relative to the Upper Sedimentary Unit (Younger)

Pesticides

Fifteen pesticides were reported at concentrations greater than Oregon Department of Agriculture Lab method reporting limit (MRL.) There were no exceedances of any health or public drinking water standards for any of the pesticides. Of the 15 pesticides detected in this study, there are two corresponding EPA Maximum Contaminant Levels (MCLs) established for public drinking water systems. Health based standards are available for 6 of the detected pesticides that do not have MCLs.

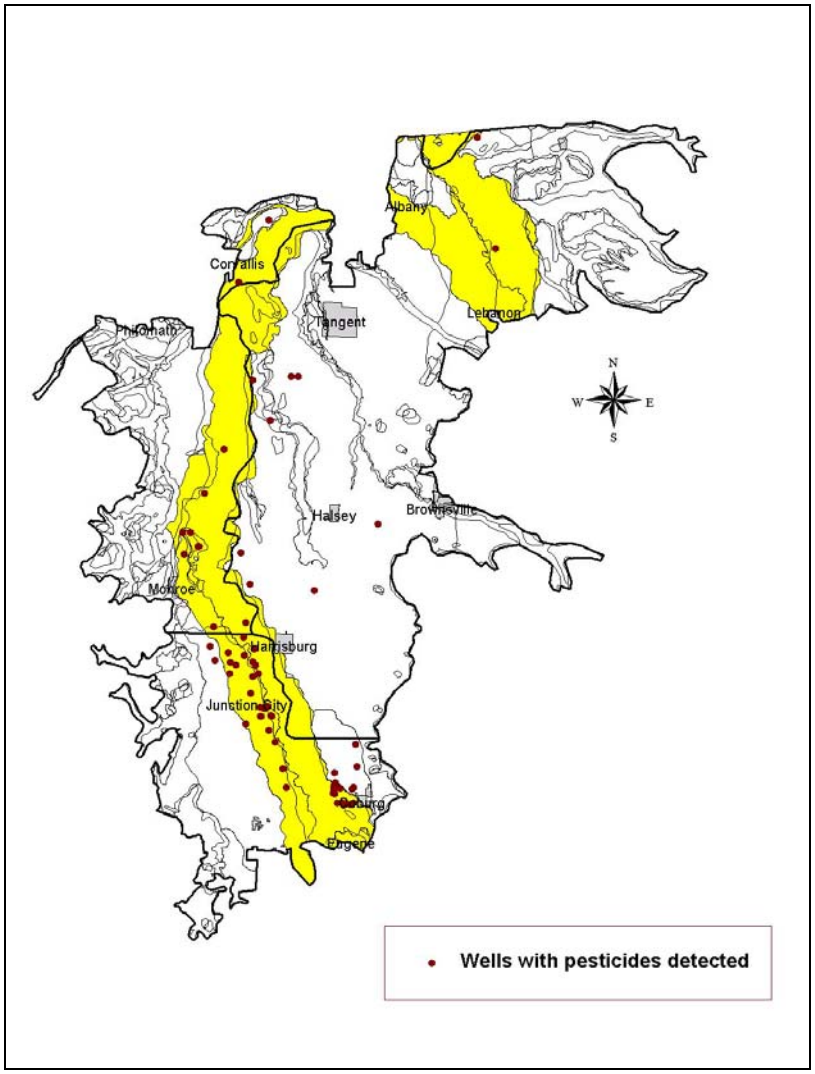

Figure 6

Locations where pesticides were detected in the 2002 sampling event, relative to the Upper Sedimentary Unit (Younger)

Most of the wells that had pesticide detections are located in or adjacent to the Upper Sedimentary Unit (Younger), the same location where many of the high nitrate values were noticed (see Figures 4 & 6). Samples for pesticides were collected from the 93 study wells that are disproportionately located in and near this sand and gravel unit, so

the relative frequency of pesticide detections throughout the entire study area can not be evaluated. However, for the SWV study wells with nitrate greater than 7.0 mg/L, pesticides were detected 65% of the time.

Atrazine

The pesticide detected most frequently, atrazine, was never found at concentrations greater than 200 nanograms/Liter (ng/L), equivalent to 200 parts per trillion (ppt). EPA has determined that atrazine is a Class C substance, which is defined as a substance that is a possible human carcinogen, based on limited evidence of carcinogenicity in animals and the absence of such data in humans. The EPA atrazine MCL for public drinking water systems is 3 parts per billion (ppb).

Atrazine is a common herbicide used to control broadleaved and grassy weeds on agricultural fields, and near highways and railroads. After an application, atrazine could either be washed away from the soil by rainfall, or may seep through soil and enter the groundwater. Although the half-life of atrazine in surface water and wetlands may be relatively short (approximately 60-100 days) atrazine will persist for a significantly longer time in groundwater. Atrazine was the most frequently detected pesticide in public water systems, as reported in EPA' s November 1999 " A Review of Contaminant Occurrences in Public Drinking Water Supplies."

Atrazine was once one of the most heavily used pesticides in this study area. In the Southern Willamette Valley, the label for grass seed was withdrawn and grass-seed growers discontinued the use of atrazine sometime in the early 1990's 1. At the same time, atrazine use on SWV corn crops has decreased. Atrazine is still a viable product for grass seed fence rows and field borders.

Atrazine was detected in one-third (31 of 93) of the 2002 SWV sample locations. When USGS studied the shallow groundwater quality of the entire Willamette Basin (1993-1995), atrazine was found in 20 of the 69 groundwater samples, a 29% frequency.

Although detections of atrazine were similar between the USGS 1993-1995 study and this 2002 investigation, the ranges were quite different. USGS reported atrazine concentrations up to 890 ng/L, more than 4 times higher then the highest value found in the SWV 2002 study. This may be attributed to the different sampling locations (the entire Willamette Basin vs. the SWV), or may be the result of the decreased usage of this pesticide on the many grass fields in the study area.

Desethyl-atrazine

Although not a pesticide, desethyl-atrazine was present at higher concentrations than atrazine in all but four locations. Desethyl-atrazine was also the most

frequently detected constituent measured by the pesticide analyses. Desethyl-atrazine is the primary breakdown product of atrazine. EPA does not have a MCL or health-based standard for desethyl-atrazine.

58% of the groundwater samples analyzed indicated the presence of desethyl-atrazine greater than the MRL; the highest concentration was 776 ng/L. This is in contrast to the range of concentrations reported by USGS of e4-e180 ng/L for desethyl-atrazine in their 1993-1995 groundwater study (e = estimated).

The ratio of atrazine to desethyl-atrazine ranged from 2.95 to 0.13 for those wells that had both constituents present. The median for this ratio was 0.40 and the average was 0.53. Although the USGS report did not provide ratios of atrazine to desethyl-atrazine, their report indicated that atrazine was detected 20 times, up to high value of 890 ng/L, while desethyl-atrazine was only detected 11 times with the highest value estimated to be 180 ng/L.

The dominance in frequency and quantity of the breakdown product may indicate that some of the atrazine, and thus some of the desethyl-atrazine, measured during the 2002 study may be more related to the historical usage of this product, rather than contemporary applications.

Simazine

Simazine was the third most frequently detected pesticide, present in 12 % of the samples. Simazine is also a Class C substance. The MCL for simazine is 4 ppt.

Simazine is used to control broadleaved weeds and annual grasses in field, berries, nuts, vegetables, turfgrass, orchards, and vineyards. It has also been used for nonselective weed control in industrial areas at application rates higher than those recommended for agricultural purposes. Prior to 1992, simazine was also used to control submerged weeds and algae in farm ponds and fish hatcheries.

Simazine is somewhat persistent in the soil, and some residual simazine may be present in the soil even a year after the initial application. If simazine seeps into groundwater it can remain there for as much as several years.

In all but one instance in this study, simazine was detected along with atrazine and/or desethyl-atrazine (See Figure 7). The maximum concentration of simazine reported was 239 ng/L, and the average concentration for those samples that contained simazine was 83 ng/L. The 1993-1995 USGS study reported simazine present in 6% of their samples (4 of 69) and in concentrations ranging from 12-44 ng/L.

Other Pesticides

With the exception of malathion and bisphenol-A, the other pesticides were detected 5 or less times during the 2002 study. Malathion and bisphenol-A were detected up to 10 times, but their existence may be questionable.

Malathion and bisphenol-A were detected at the same locations, and only in one general portion of the study area (Junction City). All samples with these compounds were collected by the same sampling team, during the same sampling event (May) and used containers from the same box lot and sampled with the same equipment. Not all samples collected in May by this team reported malathion and/or bisphenol-A.

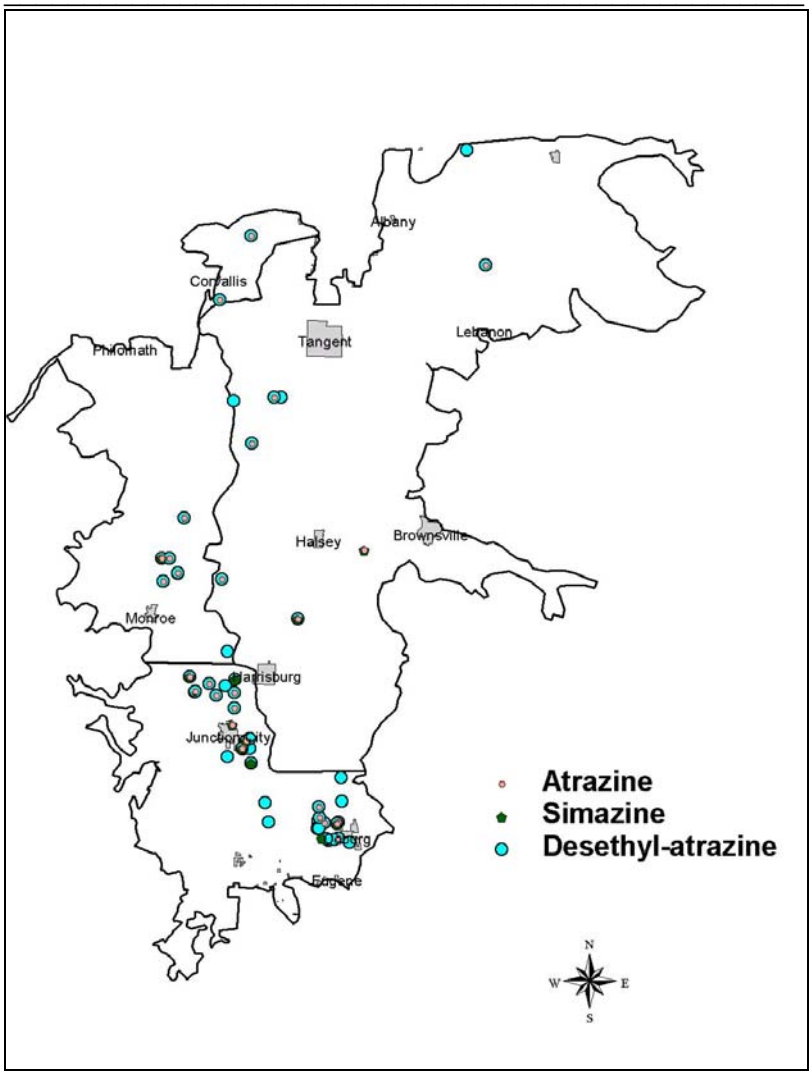

Figure 7

Locations of selected pesticide detections in the 2002 sampling event

Neither malathion nor bisphenol-A are expected to be present in study site groundwater. Malathion rapidly degrades in the environment, and bisphenol-A is a plasticizer which primarily has been detected in groundwater downgradient of landfills or other similar waste sites. There does not appear to be any identifiable laboratory contamination, and the field blanks do not help clarify this phenomenon. There is a chance that the samples or the sample containers became contaminated during the collection period, but this is speculation at this time. The results for malathion and bisphenol-A are suspect, and should be re-evaluated with the next pesticide sampling.

Caffeine

Caffeine was thought to be an appropriate indicator of groundwater impacts from septic systems due to the conservative nature of caffeine in wastewater and the environment. In addition, there is no widespread use of caffeine for agricultural purposes. Caffeine was only tentatively identified as present in one sample. The reporting limit for caffeine was 40 ng/L.

Caffeine may not have been detected during this study for many reasons: the groundwater near the study wells may not be impacted by septic systems; the homeowners may not drink caffeinated beverages; the reporting limit may have been too high; or the wells sampled may not have been downgradient of a septic system.

CONCLUSIONS

The nitrate data from this and previous Southern Willamette Valley studies provide documentation of a regional groundwater concern. Consistently, nitrate is present in the groundwater at concentrations greater than 7 mg/l. This effect is most noticeable in areas near the main stem of the Willamette River. This is also the same section that contains the most permeable and productive shallow aquifers of the area.

The pesticide data did not provide adequate information to characterize the entire study area. However, the results provided by the 2002 sampling allowed for reasoning that these compounds are not present at levels that are greater than EPA's advisory levels of MCLs. None of the pesticides detected during this study exceeded 50% of the MML, a criterion that must be met if pesticides are to be used as the tool for establishing a Groundwater Management Area.

The bacteria samples were qualitative, not quantitative, and did not provide overwhelming documentation of a widespread bacteria groundwater problem. It is more likely that few bacteria detections noted were due to localized situations.

The caffeine analyses were hopefully going to provide information of groundwater contamination due to septic systems releases. Unfortunately, there was almost no

caffeine detected in any of the private water well samples. As was speculated in the previous chapter, there are many reasons why caffeine was not found in the samples. However, caffeine may still be an important compound when comparing chemical signatures of various sources. Future groundwater studies should continue the evaluation of the usefulness of caffeine as an indicator compound for septic system releases.

Only the nitrate data impart sufficient reason to declare a Groundwater Management Area for portions of the Southern Willamette Valley. A geological mapping undertaking should be completed to determine the appropriate boundaries of a future Groundwater Management Area. The focus for this mapping activity should include a detailed examination of the Upper Sedimentary Unit (both Younger and Older) and the thickness of the Willamette Silt to the east of the Willamette River. As some of the wells located in the Willamette Silt are associated with high nitrate values, there may be a minimum thickness of Willamette Silt that will act as a barrier to nitrate pollution of the groundwater.

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Groundwater Management Area Declaration Report for the Southern Willamette Valley

GLOSSARY AND DEFINITIONS OF SELECTED TERMS AND ABBREVIATIONS

1010 Plans	Water quality protection plans developed by the Department of Agriculture, pursuant to statues passed by the Oregon Legislature in 1993. Senate Bill 1010 (ORS 568.900 - 568.933) or the Agricultural Water Quality Management Act, which provides for ODA to be the lead state agency working with agriculture to address water pollution.
Aquifer	Saturated geologic formation or part of a formation that can yield sufficient water for beneficial uses.
Beneficial uses	Desirable uses that water quality should support. Examples are drinking water supply, primary contact recreation (such as swimming), and aquatic life.
CAFO	Confined animal feeding operations
EPA	United States Environmental Protection Agency
GPS	Global positioning systems. Though the use of a specialty handheld receiver, one's position on the Earth can be determined with the assistance of 24 GPS satellites orbiting at 11,000 nautical miles above the Earth.
GWMA	Groundwater Management Area
GWMC	Groundwater Management Committee
GWQP Act	Groundwater Quality Protection Act
LASAR	
MCL	Maximum contaminant limit
mg/L	Milligrams per liter. Equivalent to parts per million
MML	Maximum measurable limit
MRL	Method reporting limit
ng/L	Nanograms per liter. Equivalent to parts per trillion
Non-point source of pollution	Water contamination due to unpermitted sources. This pollution can be derived from diffuse or scattered sources in the environment (runoff, leaching, etc.) rather than from a defined outlet such as a pipe.
TMDLs	Total maximum daily limits
UGB	Urban growth boundary
Unconfined groundwater	An aquifer that does not have any overlying confining beds of low permeability material, and receives water (recharge) from the surface. An unconfined aquifer has a water table surface that is free to fluctuate up and down, depending on the recharge/ discharge rate.
USGS	United State Geological Survey

ATTACHMENT A

2002 Project Roles and Responsibilities

Role	Name and Location	Responsibilities	Contact Phone Number
Project Coordinator	Kerri Nelson, Eugene	Ensured coordination and consistency of project with other Water Quality Program and Western Region initiatives	541.686.7838 ext. 226
Groundwater Coordinator	Karla Urbanowicz	Ensured coordination and consistency of project with other Groundwater initiatives	541-229-6099
Project Advisor & Laboratory Coordinator	Greg Pettit, Eugene	Advised project team on: project scope; data collection methods, analysis, and interpretation; GW Protection Act interpretation. Coordinated project field work with Laboratory priorities and workload.	541.686.7838 ext. 253
Project Manager	Audrey Eldridge, Medford	Developed, coordinated, and managed project implementation, including technical and public participation components	541.776-7010 ext. 223
Project Scientist	Jack Arendt, Salem	Coordinated collection and interpretation of project technical data	503.378.8240 ext. 240
Field Sampling Management	Rich Myzak, Portland	Implemented sampling plan and coordinated field operations with DEQ Laboratory Division. Also collected field samples	503.229.5983 ext.270
Field Sampling	David Cole, Portland	Collected field samples and performed public outreach	503.229.5983 ext.294
Laboratory Data Quality Assurance	Raeann Haynes, Portland	Coordinated Laboratory quality assurance and control activities, including management of laboratory analytical data (i.e., LASAR)	503.229.5983 ext.227
Sample Tracker	Bob McCoy	Tracked samples and data through the Laboratory	503.229.5983 ext.238
Communications & Outreach	Jennifer Boudin, Eugene	Coordinated media communications and assisted with public outreach	541.686.7838 ext. 235
Data Management – Laboratory	Ron Doughton, Portland	Maintained LASAR database for project analytical data	503.229.5360 ext.241
Data Management – Western Region	Mary Camarata, Eugene	Developed and maintained databases for project data, coordinated with Laboratory data manager	541.686.7838 ext. 259
Data Management – Western Region	Mindy English Eugene	Data entry and maintenance of databases for project data, field sampling	541.686.7838 ext. 269
Field Assistants	Craig Costello, Eugene Michael Fisher, Eugene Aaron Kite-Powell, Corvallis	Assist with the collection of field data, samples & communicating with the residents	

ATTACHMENT B1

LASER # _____

Upper Willamette Groundwater Assessment
Phase II – May 2002
WELL AND SITE IDENTIFICATION RECORD

Date Prepared: _____ Field Technician: _____
Well/Site Identification No: LASAR _____ WRD _____
Were sampling activities conducted in the past? _____
_____

Well/Site Location:
Assessment Sector: _____ Latitude: _____ Longitude: _____
Street Address of Well: _____
City/Town/Community: _____
Other descriptive Location Information: _____
_____
_____

Well Owner ☐ or Property Renter ☐ Information:

Name: _____ Phone Number: _____
Mailing Address: _____
City/Town/Community: _____

Well Information:
Name on well log: _____
Well use/Type: ___ Irrigation ___ Domestic ___ Other Total Well Depth: _____
Screen Interval: _____ Casing Diameter: _____ Bore-hole Diameter _____

Sampling Information:

Water treatment system? Yes ☐ No ☐ Type of system: _____

Sample collected before treatment system? Yes ☐ No ☐

Sample collected at: Tap? _____ Well head? _____ Hose bib? _____

Field Sampling Parameters:
Temperature _____ Conductivity_____ D.O. _____ pH _____ Water Level ____

Additional Comments**:**_____
_____
_____
_____
_____

ATTACHMENT B2

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

UPPER WILLAMETTE GROUNDWATER FIELD DATA SHEET

Sampling Event # ________________________________ **Timecenter: 26616** DATE RECEIVED: ____________________

Date Sampled: ____________________ RECEIVED BY: ____________________

Collected by: ____________________ DATE RELEASED: ____________________

Item #	LASAR #	Sample Point	Basic Diss. Ions	T. Metals D. Metals	Nutrients BACT	Time (HH MM)	Temp (C)	FpH (SU)	FCond (umhos/cm)	DTW (ft.)
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					
			P	TM	R					
			DP	DM	C					

pH meter ____________________

Cond meter ____________________

Comments ____________________

Weather ____________________

ATTACHMENT C

2002 Analytical Results

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
16537	99W	Junction City	Atrazine	48	=	ng/L	44.250000	-123.219444
16537	99W	Junction City	Atrazine	48	=	ng/L	44.250000	-123.219444
16537	99W	Junction City	E. Coli	Absent		NA	44.250000	-123.219444
16537	99W	Junction City	Temperature	12		°C	44.250000	-123.219444
16537	99W	Junction City	Total Coliform	Absent		NA	44.250000	-123.219444
16537	99W	Junction City	Sulfate	18.7		mg/L	44.250000	-123.219444
16537	99W	Junction City	Nitrate	8.91		mg/L	44.250000	-123.219444
16537	99W	Junction City	Nitrate	8.91		mg/L	44.250000	-123.219444
16537	99W	Junction City	Phosphate	0.09		mg/L	44.250000	-123.219444
16537	99W	Junction City	Chloride	9.1		mg/L	44.250000	-123.219444
16537	99W	Junction City	Atrazine-desethyl	103	=	ng/L	44.250000	-123.219444
16537	99W	Junction City	Potassium	1.35		mg/L	44.250000	-123.219444
16537	99W	Junction City	Sodium	8.72		mg/L	44.250000	-123.219444
16537	99W	Junction City	Atrazine-desethyl	103	=	ng/L	44.250000	-123.219444
16537	99W	Junction City	Calcium	23.3		mg/L	44.250000	-123.219444
16537	99W	Junction City	Conductivity	261		µmhos/cm	44.250000	-123.219444
16537	99W	Junction City	Hardness	107		mg/L	44.250000	-123.219444
16537	99W	Junction City	pH	6.5		SU	44.250000	-123.219444
16537	99W	Junction City	Alkalinity	58		mg/L	44.250000	-123.219444
16537	99W	Junction City	Magnesium	11.9		mg/L	44.250000	-123.219444
16545	Ferguson Rd.	Junction City	Hardness	311		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Magnesium	36.2		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Alkalinity	170		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Calcium	65.1		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Conductivity	678		µmhos/cm	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Chloride	48		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Potassium	2.73		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Sulfate	38.1		mg/L	44.252491	-123.245003

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
16545	Ferguson Rd.	Junction City	4,4-Isopropylidenediphenol	678	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Sodium	18.2		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	pH	7.1		SU	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Phosphate	0.14		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Atrazine	107	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Atrazine	107	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	E. Coli	Absent		NA	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Temperature	14.4		°C	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Total Coliform	Absent		NA	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Nitrate	12.7		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Nitrate	12.7		mg/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Atrazine-desethyl	256	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Atrazine-desethyl	256	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Bromacil	184	=	ng/L	44.252491	-123.245003
16545	Ferguson Rd.	Junction City	Metribuzin	161	=	ng/L	44.252491	-123.245003
16553	Stome Ln.	Junction City	4,4-Isopropylidenediphenol	814	=	ng/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Temperature	14.1		°C	44.206821	-123.187599
16553	Stome Ln.	Junction City	Nitrate	11.6		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Atrazine	29	=	ng/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Nitrate	11.6		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Atrazine	29	=	ng/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Sulfate	20.4		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	E. Coli	Absent		NA	44.206821	-123.187599
16553	Stome Ln.	Junction City	Temperature	12.9		°C	44.206821	-123.187599
16553	Stome Ln.	Junction City	Total Coliform	Present		NA	44.206821	-123.187599
16553	Stome Ln.	Junction City	Atrazine-desethyl	39	=	ng/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	pH	6.8		SU	44.206821	-123.187599

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
16553	Stome Ln.	Junction City	Atrazine-desethyl	39	=	ng/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	pH	6.7		SU	44.206821	-123.187599
16553	Stome Ln.	Junction City	Phosphate	0.06		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Manganese	0.0076		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Conductivity	288		µmhos/cm	44.206821	-123.187599
16553	Stome Ln.	Junction City	Chloride	7.5		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Calcium	24.9		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Potassium	1.16		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Hardness	117		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Magnesium	13.3		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Conductivity	269		µmhos/cm	44.206821	-123.187599
16553	Stome Ln.	Junction City	Sodium	7.63		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Alkalinity	55		mg/L	44.206821	-123.187599
16553	Stome Ln.	Junction City	Malathion	59	=	ng/L	44.206821	-123.187599
16553	Strome	Junction City	Simazine	239	=	ng/L	44.206821	-123.187599
16656	Bottom Loop Rd.,	Coburg	Potassium	2.40		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Chloride	19		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Magnesium	20.4		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Alkalinity	96		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Conductivity	367		µmhos/cm	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Hardness	155		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Atrazine	36	=	ng/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Atrazine	36	=	ng/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Sodium	11.1		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Calcium	28.3		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Iron	0.061		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Sulfate	14.6		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	pH	6.7		SU	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Temperature	14.0		°C	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.135368	-123.074402

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
16656	Bottom Loop Rd.,	Coburg	Nitrate	11.2		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Nitrate	11.2		mg/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	53	=	ng/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	53	=	ng/L	44.135368	-123.074402
16656	Bottom Loop Rd.,	Coburg	Phosphate	0.05		mg/L	44.135368	-123.074402
16658	Bottom Loop Rd.,	Coburg	Potassium	1.95		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Temperature	14.8		°C	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Nitrate	13.7		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Iron	0.055		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Nitrate	13.7		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Calcium	26.2		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Alkalinity	68		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Hardness	121		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Conductivity	287		µmhos/cm	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	pH	6.6		SU	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Sodium	8.39		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Magnesium	13.5		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Sulfate	12.1		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Chloride	6		mg/L	44.135078	-123.094597
16658	Bottom Loop Rd.,	Coburg	Phosphate	0.03		mg/L	44.135078	-123.094597
16660	Bottom Loop Rd.,	Coburg	Potassium	2.19		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	pH	7.1		SU	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Magnesium	18.6		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Alkalinity	94		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Conductivity	336		µmhos/cm	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Hardness	146		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Sodium	10.3		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Calcium	27.9		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.142311	-123.097397

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
16660	Bottom Loop Rd.,	Coburg	Temperature	13		°C	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Nitrate	12.5		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Atrazine	21	T	ng/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Nitrate	12.5		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Atrazine	21	T	ng/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Sulfate	14.2		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	64	=	ng/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	64	=	ng/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Phosphate	0.06		mg/L	44.142311	-123.097397
16660	Bottom Loop Rd.,	Coburg	Chloride	6.5		mg/L	44.142311	-123.097397
24592	Powerline Rd.	Harrisburg	Atrazine	84	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Nitrate	8.6		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	E. Coli	Absent		NA	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Temperature	13		°C	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Total Coliform	Absent		NA	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Atrazine	84	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Triclopyr	22	T	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Nitrate	8.6		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Atrazine-desethyl	175	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Atrazine-desethyl	175	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Potassium	1.26		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Sodium	8.98		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Chloride	5.5		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Phosphate	0.04		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Sulfate	8.18		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Bromacil	273	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Metribuzin	83	=	ng/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Calcium	18.6		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Hardness	72.7		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	pH	6.33		SU	44.315800	-123.128464

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24592	Powerline Rd.	Harrisburg	Magnesium	6.41		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Conductivity	199		µmhos/cm	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	pH	6.3		SU	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Alkalinity	42		mg/L	44.315800	-123.128464
24592	Powerline Rd.	Harrisburg	Simazine	67	=	ng/L	44.315800	-123.128464
24604	Tennesee Rd.,	Albany	Atrazine	27	=	ng/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Atrazine	27	=	ng/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Sulfate	15.7		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	E. Coli	Absent		NA	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Temperature	12.4		°C	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Total Coliform	Present		NA	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Nitrate	7.21		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	pH	6.6		SU	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Calcium	22.6		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Atrazine-desethyl	54	=	ng/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Atrazine-desethyl	54	=	ng/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Nitrate	7.21		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Chloride	5.3		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Hardness	90.5		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Conductivity	220		µmhos/cm	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Alkalinity	52		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Magnesium	8.30		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Phosphate	0.03		mg/L	44.613312	-122.925362
24604	Tennesee Rd.,	Albany	Sodium	6.45		mg/L	44.613312	-122.925362
24685	Granger Ave	Corvallis	Phosphate	0.58		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Aluminum	0.644		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Potassium	1.89		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Atrazine	59	=	ng/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Atrazine	59	=	ng/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Iron	7.72		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	pH	7.0		SU	44.631451	-123.197304

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24685	Granger Ave	Corvallis	Sodium	9.31		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Lead	0.052		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Manganese	0.0289		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	E. Coli	Absent		NA	44.631451	-123.197304
24685	Granger Ave	Corvallis	Temperature	15.5		°C	44.631451	-123.197304
24685	Granger Ave	Corvallis	Total Coliform	Present		NA	44.631451	-123.197304
24685	Granger Ave	Corvallis	Nitrate	8.71		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	3,4-Dichloroaniline	39	T	ng/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Nitrate	8.71		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Atrazine-desethyl	156	=	ng/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Atrazine-desethyl	156	=	ng/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Chloride	2.3		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Sulfate	7.22		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Calcium	14.7		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Hardness	66.9		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Magnesium	7.30		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Alkalinity	44		mg/L	44.631451	-123.197304
24685	Granger Ave	Corvallis	Conductivity	188		µmhos/cm	44.631451	-123.197304
24728	Jefferson-Scio	Scio	pH	7.1		SU	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Potassium	1.78		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Magnesium	16.8		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Conductivity	330		µmhos/cm	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Alkalinity	79		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Hardness	138		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Chloride	9.0		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Calcium	27.8		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Sodium	9.04		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	E. Coli	Absent		NA	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Temperature	14.6		°C	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Total Coliform	Present		NA	44.707901	-122.950592

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24728	Jefferson-Scio	Scio	Nitrate	15.3		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Nitrate	15.3		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Atrazine-desethyl	58	=	ng/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Atrazine-desethyl	58	=	ng/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Phosphate	0.05		mg/L	44.707901	-122.950592
24728	Jefferson-Scio	Scio	Sulfate	11.4		mg/L	44.707901	-122.950592
24738	Pine Grove	Halsey	Potassium	2.91		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Sulfate	52.2		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Calcium	38.9		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Hardness	173		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Conductivity	458		µmhos/cm	44.403091	-123.209900
24738	Pine Grove	Halsey	Aluminum	1.46		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Alkalinity	100		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Phosphate	0.14		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Magnesium	18.5		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Sodium	12.5		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Chloride	10		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Iron	1.47		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	pH	6.7		SU	44.403091	-123.209900
24738	Pine Grove	Halsey	Manganese	0.0298		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Nitrate	15.5		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Ammonia	0.04		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	E. Coli	Absent		NA	44.403091	-123.209900
24738	Pine Grove	Halsey	Lead	0.026		mg/L	44.403091	-123.209900
24738	Pine Grove	Halsey	Temperature	13.9		°C	44.403091	-123.209900
24738	Pine Grove	Halsey	Total Coliform	Absent		NA	44.403091	-123.209900
24738	Pine Grove	Halsey	Nitrate	15.5		mg/L	44.403091	-123.209900
24754	Crook Dr.,	Halsey	Chloride	42		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Magnesium	26.8		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Sulfate	44.3		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Hardness	207		mg/L	44.373741	-123.178467

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24754	Crook Dr.,	Halsey	Conductivity	511		µmhos/cm	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Calcium	38.6		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Sodium	18.6		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Alkalinity	100		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	pH	7.1		SU	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Phosphate	0.13		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Potassium	1.38		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Nitrate	20.6		mg/L	44.373741	-123.178467
24754	Crook Dr.,	Halsey	E. Coli	Absent		NA	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Temperature	14.7		°C	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Total Coliform	Absent		NA	44.373741	-123.178467
24754	Crook Dr.,	Halsey	Nitrate	20.6		mg/L	44.373741	-123.178467
24758	N. Coburg Rd.,	Coburg	Ammonia	0.04	est	mg/L	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	Temperature	13.4		°C	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	Nitrate	8.5		mg/L	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	Nitrate	8.5		mg/L	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	pH	6.6		SU	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	Phosphate	0.04		mg/L	44.144489	-123.072433
24758	N. Coburg Rd.,	Coburg	Conductivity	200		µmhos/cm	44.144489	-123.072433
24779	Prairie Rd,	Junction City	pH	7.3		SU	44.199928	-123.204903
24779	Prairie Rd,	Junction City	4,4-Isopropylidenediphenol	717	=	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	E. Coli	Absent		NA	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Temperature	13.1		°C	44.199928	-123.204903
24779	Prairie Rd,	Junction City	TKN	0.4		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Total Coliform	Absent		NA	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Nitrate	7.84		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Atrazine	28	T	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Malathion	24	T	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Nitrate	7.84		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Atrazine	28	T	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Phosphate	0.11		mg/L	44.199928	-123.204903

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24779	Prairie Rd,	Junction City	Alkalinity	78		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Sodium	10.6		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Potassium	1.58		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Atrazine-desethyl	140	=	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Atrazine-desethyl	140	=	ng/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Conductivity	282		µmhos/cm	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Calcium	24.7		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Chloride	7.2		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Hardness	116		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Sulfate	11.8		mg/L	44.199928	-123.204903
24779	Prairie Rd,	Junction City	Magnesium	13.2		mg/L	44.199928	-123.204903
24786	Hulbert Rd.,	Corvallis	Chloride	14		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Sulfate	17.7		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Conductivity	324		µmhos/cm	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Sodium	9.74		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Calcium	27.5		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Hardness	132		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Magnesium	15.3		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Phosphate	0.07		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Potassium	1.27		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	pH	6.7		SU	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Ammonia	0.03		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	E. Coli	Absent		NA	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Temperature	15.3		°C	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Total Coliform	Absent		NA	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Nitrate	14.6		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Atrazine-desethyl	42	T	ng/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Nitrate	14.6		mg/L	44.437801	-123.241417
24786	Hulbert Rd.,	Corvallis	Atrazine-desethyl	42	T	ng/L	44.437801	-123.241417

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24786	Hulbert Rd.,	Corvallis	Alkalinity	62		mg/L	44.437801	-123.241417
24796	River Road,	Junction City	E. Coli	Absent		NA	44.214539	-123.188538
24796	River Road,	Junction City	Temperature	12.2		°C	44.214539	-123.188538
24796	River Road,	Junction City	Total Coliform	Absent		NA	44.214539	-123.188538
24796	River Road,	Junction City	Nitrate	11.7		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Sulfate	20.2		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Atrazine-desethyl	27	T	ng/L	44.214539	-123.188538
24796	River Road,	Junction City	Simazine	32	T	ng/L	44.214539	-123.188538
24796	River Road,	Junction City	Nitrate	11.7		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Atrazine-desethyl	27	T	ng/L	44.214539	-123.188538
24796	River Road,	Junction City	Calcium	28.4		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Hardness	135		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Magnesium	15.5		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Conductivity	301		µmhos/cm	44.214539	-123.188538
24796	River Road,	Junction City	Phosphate	0.06		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Alkalinity	66		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Potassium	1.2		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Chloride	6.5		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	Sodium	8.06		mg/L	44.214539	-123.188538
24796	River Road,	Junction City	pH	6.5		SU	44.214539	-123.188538
24798	Oaklea Dr.,	Junction City	4,4-Isopropylidenediphenol	795	=	ng/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	E. Coli	Absent		NA	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Temperature	12.8		°C	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Total Coliform	Present		NA	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Nitrate	10.7		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Chloride	12		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Calcium	30.5		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Atrazine	37	T	ng/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Atrazine-desethyl	58	T	ng/L	44.242722	-123.226021

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24798	Oaklea Dr.,	Junction City	Nitrate	10.7		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Atrazine	37	T	ng/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Atrazine-desethyl	58	T	ng/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	pH	7		SU	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Sodium	11.4		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Hardness	139		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Potassium	1.69		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Phosphate	0.09		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Conductivity	322		µmhos/cm	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Alkalinity	75		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Sulfate	16.5		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Magnesium	15.3		mg/L	44.242722	-123.226021
24798	Oaklea Dr.,	Junction City	Malathion	28	=	ng/L	44.242722	-123.226021
24805	Hulbert Lake Rd.,	Junction City	pH	7.6		SU	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Magnesium	21.4		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Phosphate	0.18		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Hardness	175		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Calcium	35		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Conductivity	427		µmhos/cm	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Sodium	17.5		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Chloride	15		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Alkalinity	90		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Sulfate	20.8		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Atrazine	148	=	ng/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Atrazine	148	=	ng/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	E. Coli	Absent		NA	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Temperature	12.6		°C	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Total Coliform	Absent		NA	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Nitrate	17.7		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Nitrate	17.7		mg/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Potassium	1.67		mg/L	44.265091	-123.250862

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24805	Hulbert Lake Rd.,	Junction City	Atrazine-desethyl	129	=	ng/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Atrazine-desethyl	129	=	ng/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Simazine	68	=	ng/L	44.265091	-123.250862
24805	Hulbert Lake Rd.,	Junction City	Terbacil	166	=	ng/L	44.265091	-123.250862
24811	Howard Ln.,	Junction City	4,4-Isopropylidenediphenol	619	=	ng/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	pH	7.2		SU	44.273701	-123.211380
24811	Howard Ln.,	Junction City	E. Coli	Absent		NA	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Temperature	12.1		°C	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Total Coliform	Present		NA	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Nitrate	11		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Atrazine-desethyl	25	T	ng/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Nitrate	11		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Atrazine-desethyl	25	T	ng/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Calcium	29		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Hardness	137		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Magnesium	15.8		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Sulfate	17.6		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Sodium	9.26		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Chloride	8.6		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Conductivity	295		µmhos/cm	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Potassium	1.17		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Alkalinity	64		mg/L	44.273701	-123.211380
24811	Howard Ln.,	Junction City	Phosphate	0.05		mg/L	44.273701	-123.211380
24814	River Rd.,	Junction City	Nitrate	14.7		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	E. Coli	Present		NA	44.195229	-123.177368
24814	River Rd.,	Junction City	Temperature	13.9		°C	44.195229	-123.177368
24814	River Rd.,	Junction City	Total Coliform	Present		NA	44.195229	-123.177368

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24814	River Rd.,	Junction City	Atrazine-desethyl	26	T	ng/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Simazine	33	T	ng/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Nitrate	14.7		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Atrazine-desethyl	26	T	ng/L	44.195229	-123.177368
24814	River Rd.,	Junction City	pH	7		SU	44.195229	-123.177368
24814	River Rd.,	Junction City	Conductivity	331		µmhos/cm	44.195229	-123.177368
24814	River Rd.,	Junction City	Phosphate	0.1		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Calcium	28.3		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Magnesium	15.6		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Sulfate	17.4		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Chloride	9.4		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Hardness	135		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Sodium	9.03		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Potassium	1.21		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Alkalinity	66		mg/L	44.195229	-123.177368
24814	River Rd.,	Junction City	Malathion	35	=	ng/L	44.195229	-123.177368
24817	Lindsay Dr.	Shedd	Sulfate	30.6		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Chloride	13		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Alkalinity	99		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Calcium	32.1		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Hardness	152		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Conductivity	364		µmhos/cm	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Sodium	13.7		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Magnesium	17.4		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	pH	6.8		SU	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Phosphate	0.07		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Nitrate	6.80		mg/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	E. Coli	Absent		NA	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Temperature	15.2		°C	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Total Coliform	Absent		NA	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Potassium	1.00		mg/L	44.498638	-123.156143

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24817	Lindsay Dr.	Shedd	Atrazine-desethyl	342	=	ng/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Atrazine-desethyl	342	=	ng/L	44.498638	-123.156143
24817	Lindsay Dr.	Shedd	Nitrate	6.80		mg/L	44.498638	-123.156143
24832	Bush Garden Drive	Harrisburg	Nitrate	6.69		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	E. Coli	Absent		NA	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Temperature	15.4		°C	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Total Coliform	Absent		NA	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Phosphate	0.19		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Nitrate	6.69		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Alkalinity	100		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Magnesium	19.7		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Hardness	144		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	pH	7		SU	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Sodium	11.8		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Sulfate	19.2		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Conductivity	324		µmhos/cm	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Potassium	1.64		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Calcium	25.1		mg/L	44.213100	-123.081078
24832	Bush Garden Drive	Harrisburg	Chloride	6.6		mg/L	44.213100	-123.081078
24843	Eureka Rd.	Corvallis	Atrazine	31	=	ng/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Chloride	12		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Atrazine	31	=	ng/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Sulfate	19.0		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Potassium	1.36		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Phosphate	0.07		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Calcium	25.6		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Conductivity	293		µmhos/cm	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Hardness	122		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Magnesium	14.1		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	pH	6.7		SU	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Sodium	8.53		mg/L	44.396030	-123.263344

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24843	Eureka Rd.	Corvallis	Nitrate	11.1		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	E. Coli	Absent		NA	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Temperature	13.7		°C	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Total Coliform	Present		NA	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Alkalinity	62		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Atrazine-desethyl	79	=	ng/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Atrazine-desethyl	79	=	ng/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Nitrate	11.1		mg/L	44.396030	-123.263344
24843	Eureka Rd.	Corvallis	Terbacil	63	=	ng/L	44.396030	-123.263344
24846	Fawver Ln.	Monroe	Chloride	12		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Atrazine	82	=	ng/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Conductivity	327		µmhos/cm	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Calcium	28.4		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Atrazine	82	=	ng/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Hardness	134		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Magnesium	15.2		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Sulfate	15.1		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	pH	6.7		SU	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Nitrate	19.6		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Ammonia	0.02		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	E. Coli	Absent		NA	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Potassium	1.09		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Temperature	13.5		°C	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Total Coliform	Absent		NA	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Sodium	7.66		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Alkalinity	54		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Atrazine-desethyl	124	=	ng/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Atrazine-desethyl	124	=	ng/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Nitrate	19.6		mg/L	44.343189	-123.285217
24846	Fawver Ln.	Monroe	Phosphate	0.03		mg/L	44.343189	-123.285217

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24847	Lindsay Dr.	Shedd	Alkalinity	106		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Sulfate	22.9		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Sodium	13.4		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Conductivity	334		µmhos/cm	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Atrazine	79	=	ng/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Calcium	28.9		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	pH	7.0		SU	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Phosphate	0.10		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Magnesium	15.7		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Atrazine	79	=	ng/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Hardness	137		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Iron	0.159		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Chloride	8.1		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Lead	0.030		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Potassium	1.11		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Nitrate	6.92		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	E. Coli	Absent		NA	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Temperature	14.4		°C	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Total Coliform	Absent		NA	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Atrazine-desethyl	261	=	ng/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Atrazine-desethyl	261	=	ng/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Nitrate	6.92		mg/L	44.498322	-123.164650
24847	Lindsay Dr.	Shedd	Picloram	120	=	ng/L	44.498322	-123.164650
24862	Peoria Rd.,	Shedd	Sodium	14.4		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	pH	7.1		SU	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Chloride	12		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Phosphate	0.10		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Alkalinity	72		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Nitrate	7.38		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Conductivity	268		µmhos/cm	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	E. Coli	Absent		NA	44.494251	-123.210587

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24862	Peoria Rd.,	Shedd	Temperature	15.1		°C	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Total Coliform	Absent		NA	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Calcium	21.3		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Potassium	0.98		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Sulfate	10.6		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Magnesium	11.3		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Hardness	99.7		mg/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Atrazine-desethyl	55	=	ng/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Atrazine-desethyl	55	=	ng/L	44.494251	-123.210587
24862	Peoria Rd.,	Shedd	Nitrate	7.38		mg/L	44.494251	-123.210587
24871	Peroia Rd.	Harrisburg	Nitrate	9.52		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Sulfate	62.6		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	E. Coli	Absent		NA	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Temperature	13.4		°C	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Total Coliform	Absent		NA	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Phosphate	0.24		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Potassium	2.28		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Magnesium	21.1		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Nitrate	9.52		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Sodium	22.5		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Conductivity	409		µmhos/cm	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	pH	7.1		SU	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Hardness	156		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Chloride	11		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Calcium	27.5		mg/L	44.308029	-123.176620
24871	Peroia Rd.	Harrisburg	Alkalinity	71		mg/L	44.308029	-123.176620
24872	Cartney Dr.,	Harrisburg	Magnesium	22.7		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Sulfate	40.4		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Hardness	179		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Sodium	27.7		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Phosphate	0.17		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Chloride	26		mg/L	44.319672	-123.205811

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24872	Cartney Dr.,	Harrisburg	Nitrate	9.21		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Alkalinity	105		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Conductivity	470		µmhos/cm	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Calcium	34.4		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	E. Coli	Absent		NA	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Temperature	14.3		°C	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Total Coliform	Absent		NA	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Atrazine-desethyl	17	T	ng/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Nitrate	9.21		mg/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Atrazine-desethyl	17	T	ng/L	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	pH	6.9		SU	44.319672	-123.205811
24872	Cartney Dr.,	Harrisburg	Potassium	1.52		mg/L	44.319672	-123.205811
24884	Coburg Rd.,	Coburg	Atrazine	<13	T	ng/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Potassium	1.77		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Calcium	28.7		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Nitrate	15.9		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Temperature	12.7		°C	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Total Coliform	Absent		NA	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Atrazine	23	T	ng/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Nitrate	15.9		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Atrazine	23	T	ng/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Sulfate	15.1		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Conductivity	297		µmhos/cm	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Hardness	126		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	pH	6.6		SU	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Chloride	5.5		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Magnesium	13.2		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Alkalinity	58		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Sodium	7.68		mg/L	44.134178	-123.082542
24884	Coburg Rd.,	Coburg	Phosphate	0.03		mg/L	44.134178	-123.082542

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24889	Electric Rd.,	Corvallis	Alkalinity	78		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Chloride	9.6		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Phosphate	0.07		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Magnesium	14.1		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Nitrate	6.47		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Hardness	115		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Conductivity	267		µmhos/cm	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	pH	6.6		SU	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Sulfate	11.7		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Calcium	22.6		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	E. Coli	Absent		NA	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Temperature	13.3		°C	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Total Coliform	Absent		NA	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Atrazine-desethyl	38	T	ng/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Nitrate	6.47		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Atrazine-desethyl	38	T	ng/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Sodium	7.25		mg/L	44.575150	-123.241882
24889	Electric Rd.,	Corvallis	Potassium	0.83		mg/L	44.575150	-123.241882
24893	Riverside Dr.,	Albany	Chloride	120		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Calcium	42.5		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Conductivity	545		µmhos/cm	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Hardness	187		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Sodium	26.7		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Magnesium	19.7		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Potassium	1.41		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Iron	0.142		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Phosphate	0.07		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Sulfate	12.5		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Nitrate	5.67		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	E. Coli	Absent		NA	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Temperature	16.0		°C	44.578339	-123.196732

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24893	Riverside Dr.,	Albany	Total Coliform	Absent		NA	44.578339	-123.196732
24893	Riverside Dr.,	Albany	pH	6.6		SU	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Nitrate	5.67		mg/L	44.578339	-123.196732
24893	Riverside Dr.,	Albany	Alkalinity	56		mg/L	44.578339	-123.196732
24899	Kiger Island	Corvallis	Chloride	10		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Conductivity	295		µmhos/cm	44.520241	-123.239281
24899	Kiger Island	Corvallis	Calcium	25.5		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Sodium	8.80		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Hardness	121		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Nitrate	14.5		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Magnesium	13.8		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	E. Coli	Absent		NA	44.520241	-123.239281
24899	Kiger Island	Corvallis	Temperature	15.9		°C	44.520241	-123.239281
24899	Kiger Island	Corvallis	Total Coliform	Present		NA	44.520241	-123.239281
24899	Kiger Island	Corvallis	Alkalinity	63		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Nitrate	14.5		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	pH	6.6		SU	44.520241	-123.239281
24899	Kiger Island	Corvallis	Phosphate	0.05		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Potassium	1.04		mg/L	44.520241	-123.239281
24899	Kiger Island	Corvallis	Sulfate	10.2		mg/L	44.520241	-123.239281
24901	Coburg Rd.,	Coburg	Atrazine	25	=	ng/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Atrazine	25	=	ng/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Potassium	1.8		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Nitrate	8.95		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Ammonia	0.04		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Temperature	15.3		°C	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Total Coliform	Absent		NA	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Nitrate	8.95		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Magnesium	15.3		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Alkalinity	73		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	pH	6.8		SU	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Sodium	9.22		mg/L	44.147442	-123.090759

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24901	Coburg Rd.,	Coburg	Atrazine-desethyl	104	=	ng/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Hardness	121		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Phosphate	0.06		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Atrazine-desethyl	104	=	ng/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Sulfate	12.8		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Conductivity	279		µmhos/cm	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Chloride	6.4		mg/L	44.147442	-123.090759
24901	Coburg Rd.,	Coburg	Calcium	23.2		mg/L	44.147442	-123.090759
24902	Bottom Loop Rd.,	Coburg	Nitrate	12.6		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Ammonia	0.02		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	E. Coli	Abssent		NA	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Temperature	12.8		°C	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Potassium	1.54		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Nitrate	12.6		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Alkalinity	70		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Calcium	25.1		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Conductivity	289		µmhos/cm	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Magnesium	13.9		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Hardness	120		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Sodium	8.32		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Chloride	6.4		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Sulfate	11.4		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	Phosphate	0.04		mg/L	44.146519	-123.098061
24902	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.146519	-123.098061
24903	Bottom Loop Rd.,	Coburg	pH	7.1		SU	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Phosphate	0.13		mg/L	44.149090	-123.098282

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24903	Bottom Loop Rd.,	Coburg	Alkalinity	83		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Potassium	1.8		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Iron	0.059		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Nitrate	7.39		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Ammonia	0.02		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Temperature	13.5		°C	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Magnesium	14.6		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Sodium	8.76		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Nitrate	7.39		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	57	=	ng/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	57	=	ng/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Sulfate	12.4		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Hardness	111		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Conductivity	261		µmhos/cm	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Chloride	5.4		mg/L	44.149090	-123.098282
24903	Bottom Loop Rd.,	Coburg	Calcium	20.4		mg/L	44.149090	-123.098282
24905	Bottom Loop Rd.,	Coburg	Chloride	10		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Alkalinity	78		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Potassium	1.68		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Sodium	9.46		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Calcium	26.9		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Nitrate	10.6		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	E. Coli	Present		NA	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Temperature	14.6		°C	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Total Coliform	Present		NA	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Conductivity	293		µmhos/cm	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Hardness	126		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Magnesium	14.3		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Sulfate	13.3		mg/L	44.143810	-123.097572

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24905	Bottom Loop Rd.,	Coburg	Nitrate	10.6		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	Phosphate	0.04		mg/L	44.143810	-123.097572
24905	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.143810	-123.097572
24906	Bottom Loop Rd.,	Coburg	Alkalinity	78		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Calcium	28.5		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Potassium	1.71		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Nitrate	12.5		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Sodium	10		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Ammonia	0.02		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Conductivity	310		µmhos/cm	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Temperature	14.4		°C	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Hardness	132		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Nitrate	12.5		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Chloride	8.1		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Magnesium	14.9		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Sulfate	14.1		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	56	=	ng/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	Phosphate	0.05		mg/L	44.143349	-123.097458
24906	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.143349	-123.097458
24907	Bottom Loop Rd.,	Coburg	Potassium	1.85		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	pH	7		SU	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Alkalinity	77		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Phosphate	0.07		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Nitrate	8.21		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Ammonia	0.03		mg/L	44.142891	-123.099007

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24907	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Sodium	9.18		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Temperature	15.2		°C	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Nitrate	8.21		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	51	=	ng/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	51	=	ng/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Chloride	6.6		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Magnesium	13.3		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Hardness	106		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Calcium	20.6		mg/L	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Conductivity	250		µmhos/cm	44.142891	-123.099007
24907	Bottom Loop Rd.,	Coburg	Sulfate	9.98		mg/L	44.142891	-123.099007
24908	Bottom Loop Rd.,	Coburg	Calcium	30.2		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Potassium	1.77		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Hardness	139		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Alkalinity	78		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Conductivity	326		µmhos/cm	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Nitrate	14.2		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Magnesium	15.4		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Temperature	13.3		°C	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Total Coliform	Present		NA	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Sodium	9.29		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Nitrate	14.2		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Sulfate	15		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	57	=	ng/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	57	=	ng/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	Chloride	7.6		mg/L	44.142658	-123.096802

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24908	Bottom Loop Rd.,	Coburg	Phosphate	0.04		mg/L	44.142658	-123.096802
24908	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.142658	-123.096802
24911	Smith Ln.,	Coburg	Potassium	1.58		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Nitrate	13.3		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Ammonia	0.02		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	E. Coli	Absent		NA	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Temperature	13.5		°C	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Total Coliform	Absent		NA	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Nitrate	13.3		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Calcium	23.4		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Sulfate	11.2		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Hardness	103		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Conductivity	246		µmhos/cm	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Magnesium	10.8		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Chloride	5		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	pH	6.4		SU	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Alkalinity	51		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Sodium	6.98		mg/L	44.130989	-123.087257
24911	Smith Ln.,	Coburg	Phosphate	0.02		mg/L	44.130989	-123.087257
24913	Coburg Rd.,	Coburg	Sulfate	33.9		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Potassium	2.06		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Atrazine	116	=	ng/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Atrazine	116	=	ng/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Phosphate	0.12		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Magnesium	17.3		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	pH	7		SU	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Sodium	10.6		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Alkalinity	78		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Conductivity	304		µmhos/cm	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Nitrate	8.14		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Temperature	15.1		°C	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Total Coliform	Present		NA	44.151970	-123.096352

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24913	Coburg Rd.,	Coburg	Hardness	127		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Nitrate	8.14		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Atrazine-desethyl	263	=	ng/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Atrazine-desethyl	263	=	ng/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Calcium	22.4		mg/L	44.151970	-123.096352
24913	Coburg Rd.,	Coburg	Chloride	4.8		mg/L	44.151970	-123.096352
24914	Green Island Rd.,	Coburg	Potassium	1.93		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Alkalinity	90		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Magnesium	17.5		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	pH	6.9		SU	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Conductivity	309		µmhos/cm	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Hardness	132		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Sodium	9.20		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Sulfate	12.9		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Phosphate	0.06		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Calcium	23.9		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Nitrate	9.85		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Chloride	5.7		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	E. Coli	Absent		NA	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Temperature	13.8		°C	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Total Coliform	Absent		NA	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Atrazine-desethyl	42	T	ng/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Nitrate	9.85		mg/L	44.148941	-123.101448
24914	Green Island Rd.,	Coburg	Atrazine-desethyl	42	T	ng/L	44.148941	-123.101448
24916	River Road,	Junction City	Sulfate	21.8		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Atrazine	25	=	ng/L	44.213421	-123.183319
24916	River Road,	Junction City	Atrazine	25	=	ng/L	44.213421	-123.183319
24916	River Road,	Junction City	Calcium	29.6		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Hardness	142		mg/L	44.213421	-123.183319

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24916	River Road,	Junction City	Conductivity	328		µmhos/cm	44.213421	-123.183319
24916	River Road,	Junction City	Magnesium	16.6		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Phosphate	0.07		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Chloride	8.4		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Nitrate	15.3		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Potassium	1.27		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Ammonia	0.03		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	E. Coli	Absent		NA	44.213421	-123.183319
24916	River Road,	Junction City	Temperature	14.3		°C	44.213421	-123.183319
24916	River Road,	Junction City	Total Coliform	Absent		NA	44.213421	-123.183319
24916	River Road,	Junction City	Nitrate	15.3		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Atrazine-desethyl	73	=	ng/L	44.213421	-123.183319
24916	River Road,	Junction City	Alkalinity	66		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	pH	6.6		SU	44.213421	-123.183319
24916	River Road,	Junction City	Sodium	8.32		mg/L	44.213421	-123.183319
24916	River Road,	Junction City	Atrazine-desethyl	73	=	ng/L	44.213421	-123.183319
24916	River Road,	Junction City	Simazine	65	=	ng/L	44.213421	-123.183319
24917	Wickwire Lane,	Junction City	Nitrate	13.1		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	E. Coli	Absent		NA	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Hardness	138		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Magnesium	16.6		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Temperature	12.7		°C	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Total Coliform	Absent		NA	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Atrazine	24	T	ng/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Nitrate	13.1		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Atrazine	24	T	ng/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Calcium	27.7		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Conductivity	317		µmhos/cm	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	pH	6.9		SU	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Chloride	8.9		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Phosphate	0.07		mg/L	44.207291	-123.179237

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24917	Wickwire Lane,	Junction City	Alkalinity	72		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Sulfate	15.2		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Atrazine-desethyl	67	=	ng/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Atrazine-desethyl	67	=	ng/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Potassium	1.13		mg/L	44.207291	-123.179237
24917	Wickwire Lane,	Junction City	Sodium	7.95		mg/L	44.207291	-123.179237
24928	Old River Rd.,	Monroe	Phosphate	0.14		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Chloride	10		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Sulfate	18.8		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	pH	7.0		SU	44.350079	-123.268532
24928	Old River Rd	Monroe	Sodium	10.2		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Conductivity	306		µmhos/cm	44.350079	-123.268532
24928	Old River Rd	Monroe	Potassium	1.27		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Calcium	25.3		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Hardness	121		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Magnesium	13.9		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Nitrate	13.6		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Alkalinity	62		mg/L	44.350079	-123.268532
24928	Old River Rd	Monroe	E. Coli	Absent		NA	44.350079	-123.268532
24928	Old River Rd	Monroe	Temperature	13.5		°C	44.350079	-123.268532
24928	Old River Rd	Monroe	Total Coliform	Present		NA	44.350079	-123.268532
24928	Old River Rd	Monroe	Atrazine-desethyl	66	=	ng/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Atrazine-desethyl	66	=	ng/L	44.350079	-123.268532
24928	Old River Rd	Monroe	Nitrate	13.6		mg/L	44.350079	-123.268532
24952	Noraton Road,	Junction City	4,4-Isopropylidenediphenol	678	=	ng/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Nitrate	12.3		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	E. Coli	Absent		NA	44.264160	-123.198402
24952	Noraton Road,	Junction City	Temperature	12.7		°C	44.264160	-123.198402

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24952	Noraton Road,	Junction City	Total Coliform	Absent		NA	44.264160	-123.198402
24952	Noraton Road,	Junction City	Nitrate	12.3		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	pH	7		SU	44.264160	-123.198402
24952	Noraton Road,	Junction City	Chloride	9.2		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Sulfate	16.8		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Calcium	26.5		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Atrazine-desethyl	21	=	ng/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Atrazine-desethyl	21	=	ng/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Potassium	1.21		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Conductivity	289		µmhos/cm	44.264160	-123.198402
24952	Noraton Road,	Junction City	Hardness	119		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Magnesium	12.8		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Alkalinity	56		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Phosphate	0.03		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Sodium	7.03		mg/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Simazine	20	=	ng/L	44.264160	-123.198402
24952	Noraton Road,	Junction City	Terbacil	138	=	ng/L	44.264160	-123.198402
24957	99W,	Junction City	Magnesium	32.2		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Chloride	38		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Calcium	60.4		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Hardness	283		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Conductivity	653		µmhos/cm	44.282082	-123.247101
24957	99W,	Junction City	Alkalinity	120		mg/L	44.282082	-123.247101
24957	99W,	Junction City	pH	7.3		SU	44.282082	-123.247101
24957	99W,	Junction City	4,4-Isopropylidenediphenol	868	=	ng/L	44.282082	-123.247101
24957	99W,	Junction City	Sulfate	31.4		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Potassium	2		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Sodium	17.2		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Nitrate	27.8		mg/L	44.282082	-123.247101

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
24957	99W,	Junction City	E. Coli	Absent		NA	44.282082	-123.247101
24957	99W,	Junction City	Temperature	13.1		°C	44.282082	-123.247101
24957	99W,	Junction City	Total Coliform	Absent		NA	44.282082	-123.247101
24957	99W,	Junction City	Bromacil	30	T	ng/L	44.282082	-123.247101
24957	99W,	Junction City	Terbacil	34	T	ng/L	44.282082	-123.247101
24957	99W,	Junction City	Nitrate	27.8		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Phosphate	0.1		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Conductivity	320		µmhos/cm	44.282082	-123.247101
24957	99W,	Junction City	Manganese	0.0382		mg/L	44.282082	-123.247101
24957	99W,	Junction City	Malathion	30	=	ng/L	44.282082	-123.247101
25004	River Rd.,	Junction City	Nitrate	17.3		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	E. Coli	Absent		NA	44.206909	-123.174263
25004	River Rd.,	Junction City	Temperature	12.5		°C	44.206909	-123.174263
25004	River Rd.,	Junction City	Total Coliform	Absent		NA	44.206909	-123.174263
25004	River Rd.,	Junction City	Hardness	148		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Calcium	30.5		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Conductivity	340		µmhos/cm	44.206909	-123.174263
25004	River Rd.,	Junction City	Atrazine-desethyl	13	T	ng/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Simazine	28	T	ng/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Nitrate	17.3		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Atrazine-desethyl	13	T	ng/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Magnesium	17.4		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Sulfate	16.2		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Chloride	8.8		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Potassium	1.19		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Alkalinity	64		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Phosphate	0.05		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	Sodium	8.17		mg/L	44.206909	-123.174263
25004	River Rd.,	Junction City	pH	6.5		SU	44.206909	-123.174263
25006	Lingo Lane,	Junction City	Atrazine	38	=	ng/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Atrazine	38	=	ng/L	44.253101	-123.199181

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25006	Lingo Lane,	Junction City	Sulfate	19.2		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Nitrate	10.1		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	E. Coli	Absent		NA	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Temperature	13.2		°C	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Total Coliform	Absent		NA	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Nitrate	10.1		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Magnesium	15.2		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	pH	6.8		SU	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Iron	0.05		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Atrazine-desethyl	81	=	ng/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Chloride	8.4		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Calcium	26.3		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Hardness	128		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Alkalinity	67		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Conductivity	290		µmhos/cm	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Atrazine-desethyl	81	=	ng/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Phosphate	0.06		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Potassium	0.88		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Sodium	7.44		mg/L	44.253101	-123.199181
25006	Lingo Lane,	Junction City	Metolachlor	44	=	ng/L	44.253101	-123.199181
25014	Fayetteville Rd.	Shedd	3,4-Dichloroaniline	156	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Calcium	36.1		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Aluminum	0.086		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Sulfate	25.8		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Conductivity	370		µmhos/cm	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Hardness	150		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Sodium	13.9		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Phosphate	0.13		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Alkalinity	83		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Chloride	12		mg/L	44.459801	-123.188011

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25014	Fayetteville Rd.	Shedd	Atrazine	192	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Atrazine	192	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Iron	0.093		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Magnesium	14.6		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Manganese	0.0058		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Nitrate	13.6		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	pH	6.6		SU	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Potassium	1.06		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	E. Coli	Present		NA	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Temperature	14.5		°C	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Total Coliform	Present		NA	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Atrazine-desethyl	776	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Atrazine-desethyl	776	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Nitrate	13.6		mg/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Bromacil	244	=	ng/L	44.459801	-123.188011
25014	Fayetteville Rd.	Shedd	Metribuzin	56	=	ng/L	44.459801	-123.188011
25019	Powerline Rd.,	Harrisburg	Nitrate	7.52		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Chloride	56		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	E. Coli	Absent		NA	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Magnesium	24.3		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Temperature	14		°C	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Total Coliform	Absent		NA	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Hardness	187		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	pH	7.3		SU	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Sodium	29		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Conductivity	491		µmhos/cm	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Nitrate	7.52		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Calcium	35		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Phosphate	0.16		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Alkalinity	103		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Potassium	1.38		mg/L	44.271820	-123.122612
25019	Powerline Rd.,	Harrisburg	Sulfate	13.7		mg/L	44.271820	-123.122612

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25020	Lassen Lane,	Junction City	Alkalinity	80		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Chloride	9.9		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Nitrate	9.95		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Ammonia	0.03		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Calcium	27.3		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	E. Coli	Absent		NA	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Temperature	14.8		°C	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Total Coliform	Present		NA	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Hardness	129		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Nitrate	9.95		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Conductivity	297		µmhos/cm	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Magnesium	14.8		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	pH	6.7		SU	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Atrazine-desethyl	61	=	ng/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Atrazine-desethyl	61	=	ng/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Phosphate	0.06		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Sodium	8.27		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Sulfate	10.8		mg/L	44.146500	-123.154716
25020	Lassen Lane,	Junction City	Potassium	0.88		mg/L	44.146500	-123.154716
25024	River Rd.,	Junction City	Nitrate	8.36		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	E. Coli	Absent		NA	44.181332	-123.167419
25024	River Rd.,	Junction City	Temperature	19.2		°C	44.181332	-123.167419
25024	River Rd.,	Junction City	Total Coliform	Absent		NA	44.181332	-123.167419
25024	River Rd.,	Junction City	Nitrate	8.36		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Alkalinity	82		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Magnesium	15.5		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Phosphate	0.08		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Calcium	26.3		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Hardness	129		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Potassium	1.36		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Conductivity	292		µmhos/cm	44.181332	-123.167419

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25024	River Rd.,	Junction City	Sodium	8.78		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	pH	6.6		SU	44.181332	-123.167419
25024	River Rd.,	Junction City	Chloride	6.4		mg/L	44.181332	-123.167419
25024	River Rd.,	Junction City	Sulfate	11.9		mg/L	44.181332	-123.167419
25037	Wickwire Lane,	Junction City	Sodium	68.8		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Nitrate	11.2		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	E. Coli	Absent		NA	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Temperature	12.4		°C	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Total Coliform	Present		NA	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Simazine	21	T	ng/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Nitrate	11.2		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Alkalinity	74		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Conductivity	303.3		µmhos/cm	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Conductivity	303		µmhos/cm	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Chloride	7.7		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Sulfate	14.3		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Phosphate	0.06		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Calcium	0.21		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Hardness	1.18		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	Magnesium	0.16		mg/L	44.207870	-123.175179
25037	Wickwire Lane,	Junction City	pH	6.3		SU	44.207870	-123.175179
25038	Hubbard Road,	Monroe	Chloride	25		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Calcium	33.0		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Conductivity	365		µmhos/cm	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Phosphate	0.13		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Hardness	147		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Atrazine	99	=	ng/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Sulfate	17.9		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Atrazine	99	=	ng/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Magnesium	15.6		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Sodium	9.45		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	pH	6.6		SU	44.361938	-123.287842

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25038	Hubbard Road,	Monroe	Potassium	1.01		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Ammonia	0.02		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	E. Coli	Absent		NA	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Temperature	13.9		°C	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Total Coliform	Absent		NA	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Nitrate	17.9		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Atrazine-desethyl	140	=	ng/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Metolachlor	21	T	ng/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Atrazine-desethyl	140	=	ng/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Nitrate	17.9		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Alkalinity	50		mg/L	44.361938	-123.287842
25038	Hubbard Road,	Monroe	Simazine	43	=	ng/L	44.361938	-123.287842
25046	Hulbert Rd.	Corvallis	Phosphate	0.13		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Sulfate	17.7		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	pH	6.9		SU	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Sodium	9.14		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Potassium	1.20		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Chloride	7.7		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Nitrate	7.15		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Magnesium	13.3		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Alkalinity	60		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Conductivity	253		µmhos/cm	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	E. Coli	Absent		NA	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Hardness	106		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Temperature	14.8		°C	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	TKN	0.2		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Total Coliform	Absent		NA	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Calcium	20.5		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Atrazine-desethyl	26	T	ng/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Nitrate	7.15		mg/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Clopyralid	160	=	ng/L	44.434361	-123.241722

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25046	Hulbert Rd.	Corvallis	Ethofumesate	28	=	ng/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Atrazine-desethyl	26	T	ng/L	44.434361	-123.241722
25046	Hulbert Rd.	Corvallis	Metribuzin	240	=	ng/L	44.434361	-123.241722
25053	Seefeld Dr.,	Halsey	Chloride	190		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Alkalinity	180		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Calcium	87.9		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Conductivity	921		µmhos/cm	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Manganese	0.290		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Sodium	70.1		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Hardness	298		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	pH	7.4		SU	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Potassium	2.37		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Phosphate	0.21		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Magnesium	19.1		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Atrazine	118	=	ng/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Atrazine	118	=	ng/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Iron	0.369		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Nitrate	0.565		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Ammonia	0.14		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	E. Coli	Absent		NA	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Temperature	14.0		°C	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	TKN	0.4		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Total Coliform	Present		NA	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Sulfate	4.94		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Atrazine-desethyl	40	T	ng/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Ethofumesate	6	T	ng/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Nitrate	0.565		mg/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Atrazine-desethyl	40	T	ng/L	44.374599	-123.055054
25053	Seefeld Dr.,	Halsey	Simazine	93	=	ng/L	44.374599	-123.055054
25057	Lake Creek Dr.,	Halsey	Chloride	74		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Sulfate	55.6		mg/L	44.359261	-123.102524

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25057	Lake Creek Dr.,	Halsey	Conductivity	663		µmhos/cm	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Calcium	54.4		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Hardness	227		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Magnesium	22.1		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Sodium	41.2		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Alkalinity	104		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	pH	7.2		SU	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Phosphate	0.14		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Potassium	1.24		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Nitrate	14.2		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Ammonia	0.05		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	E. Coli	Absent		NA	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Temperature	13.5		°C	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Total Coliform	Absent		NA	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Atrazine-desethyl	45	T	ng/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Bromacil	20	T	ng/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Nitrate	14.2		mg/L	44.359261	-123.102524
25057	Lake Creek Dr.,	Halsey	Atrazine-desethyl	45	T	ng/L	44.359261	-123.102524
25058	Nixon Dr.,	Harrisburg	Atrazine	156	=	ng/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Chloride	25		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Nitrate	8.32		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Sodium	19.5		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Phosphate	0.14		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Hardness	158		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Conductivity	391		µmhos/cm	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Sulfate	22.8		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Calcium	32.3		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Magnesium	18.9		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Alkalinity	94		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	E. Coli	Absent		NA	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Temperature	13		°C	44.346352	-123.218033

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25058	Nixon Dr.,	Harrisburg	Total Coliform	Absent		NA	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Atrazine	156	=	ng/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	3,4-Dichloroaniline	37	T	ng/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Nitrate	8.32		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Potassium	1.5		mg/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Atrazine-desethyl	616	=	ng/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	Atrazine-desethyl	616	=	ng/L	44.346352	-123.218033
25058	Nixon Dr.,	Harrisburg	pH	6.4		SU	44.346352	-123.218033
25071	Stallings Lane,	Coburg	pH	7.2		SU	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Potassium	2.00		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Phosphate	0.13		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Atrazine	27	=	ng/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Atrazine	27	=	ng/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Magnesium	14.7		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Alkalinity	70		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Manganese	0.0052		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Chloride	5.7		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Sodium	7.90		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Conductivity	255		µmhos/cm	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Hardness	104		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Sulfate	9.65		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Atrazine-desethyl	56	=	ng/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Atrazine-desethyl	56	=	ng/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Nitrate	9.06		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Calcium	17.4		mg/L	44.148392	-123.074959
25071	Stallings Lane,	Coburg	E. Coli	Absent		NA	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Temperature	13.6		°C	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Total Coliform	Absent		NA	44.148392	-123.074959
25071	Stallings Lane,	Coburg	Nitrate	9.06		mg/L	44.148392	-123.074959

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25075	Stallings Lane,	Coburg	Alkalinity	110		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Potassium	2.30		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Hardness	165		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Magnesium	20.4		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Chloride	17		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Conductivity	403		µmhos/cm	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Sodium	14.8		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Calcium	32.3		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Phosphate	0.10		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Atrazine	147	=	ng/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Atrazine	147	=	ng/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Sulfate	16.1		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	pH	6.7		SU	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Atrazine-desethyl	234	=	ng/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Atrazine-desethyl	234	=	ng/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Nitrate	11.7		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	E. Coli	Absent		NA	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Temperature	13.7		°C	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Total Coliform	Present		NA	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Nitrate	11.7		mg/L	44.147289	-123.076523
25075	Stallings Lane,	Coburg	Simazine	30	=	ng/L	44.147289	-123.076523
25076	Bottom Loop Rd.,	Coburg	Calcium	31		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Potassium	1.81		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Conductivity	332		µmhos/cm	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Hardness	138		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Sulfate	15.9		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Nitrate	21.7		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Magnesium	14.8		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Ammonia	0.02		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Temperature	13.3		°C	44.133339	-123.085831

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25076	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Nitrate	21.7		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	53	=	ng/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Sodium	8.29		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Chloride	6.6		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	53	=	ng/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Phosphate	0.03		mg/L	44.133339	-123.085831
25076	Bottom Loop Rd.,	Coburg	Alkalinity	53		mg/L	44.133339	-123.085831
25077	Bottom Loop Rd.,	Coburg	Magnesium	21.8		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Potassium	1.76		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Nitrate	14.7		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Ammonia	0.03		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Temperature	14		°C	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Calcium	25.2		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Bromacil	44	T	ng/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Nitrate	14.7		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Conductivity	279		µmhos/cm	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Hardness	116		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Sulfate	12		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Alkalinity	62		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Lead	0.013		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Chloride	5.5		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Sodium	7.7		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	pH	6.5		SU	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Phosphate	0.03		mg/L	44.134781	-123.093369
25077	Bottom Loop Rd.,	Coburg	Simazine	86	=	ng/L	44.134781	-123.093369
25091	Adams Ln,	Junction City	Nitrate	12.3		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	E. Coli	Absent		NA	44.286591	-123.208923
25091	Adams Ln,	Junction City	Temperature	21		°C	44.286591	-123.208923

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25091	Adams Ln,	Junction City	Total Coliform	Present		NA	44.286591	-123.208923
25091	Adams Ln,	Junction City	Nitrate	12.3		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Atrazine-desethyl	13	=	ng/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Chloride	9		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Sulfate	16.1		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Atrazine-desethyl	13	=	ng/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Calcium	26.1		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Conductivity	284		µmhos/cm	44.286591	-123.208923
25091	Adams Ln,	Junction City	Hardness	120		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	pH	6.6		SU	44.286591	-123.208923
25091	Adams Ln,	Junction City	Potassium	1.11		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Magnesium	13.3		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Phosphate	0.04		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Alkalinity	56		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Diazinon	72	=	ng/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Sodium	6.96		mg/L	44.286591	-123.208923
25091	Adams Ln,	Junction City	Terbacil	131	=	ng/L	44.286591	-123.208923
25094	Hubbard Rd.,	Monroe	Chloride	18		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Sulfate	20.2		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Atrazine	30	=	ng/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Atrazine	30	=	ng/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Calcium	26.9		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Conductivity	302		µmhos/cm	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Phosphate	0.07		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Sodium	8.94		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Hardness	123		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	pH	6.7		SU	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Magnesium	13.6		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Nitrate	9.44		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Potassium	1.11		mg/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Alkalinity	62		mg/L	44.362209	-123.278580

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25094	Hubbard Rd.,	Monroe	E. Coli	Absent		NA	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Temperature	13.6		°C	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Total Coliform	Absent		NA	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Atrazine-desethyl	61	=	ng/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Atrazine-desethyl	61	=	ng/L	44.362209	-123.278580
25094	Hubbard Rd.,	Monroe	Nitrate	9.44		mg/L	44.362209	-123.278580
25103	Groshong Rd.,	Albany	Sodium	58.9		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Chloride	34		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Alkalinity	156		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Calcium	48.0		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Conductivity	569		µmhos/cm	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Phosphate	0.24		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Sulfate	31.5		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Potassium	2.11		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Hardness	161		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	pH	7.1		SU	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Atrazine	121	=	ng/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Atrazine	121	=	ng/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	E. Coli	Absent		NA	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Temperature	14.9		°C	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Total Coliform	Absent		NA	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Nitrate	12.5		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Nitrate	12.5		mg/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Atrazine-desethyl	399	=	ng/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Atrazine-desethyl	399	=	ng/L	44.707630	-123.102867
25103	Groshong Rd.,	Albany	Magnesium	10.0		mg/L	44.707630	-123.102867
25110	River Rd.,	Junction City	Sulfate	25.1		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Atrazine	28	=	ng/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Atrazine	28	=	ng/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Chloride	8.1		mg/L	44.207031	-123.187851

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25110	River Rd.,	Junction City	Nitrate	5.63		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Phosphate	0.07		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	E. Coli	Absent		NA	44.207031	-123.187851
25110	River Rd.,	Junction City	pH	6.7		SU	44.207031	-123.187851
25110	River Rd.,	Junction City	Temperature	13.2		°C	44.207031	-123.187851
25110	River Rd.,	Junction City	Total Coliform	Absent		NA	44.207031	-123.187851
25110	River Rd.,	Junction City	Nitrate	5.63		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Atrazine-desethyl	66	=	ng/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Atrazine-desethyl	66	=	ng/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Alkalinity	62		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Hardness	107		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Calcium	21.9		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Magnesium	12.8		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Conductivity	249		µmhos/cm	44.207031	-123.187851
25110	River Rd.,	Junction City	Potassium	0.87		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Sodium	6.6		mg/L	44.207031	-123.187851
25110	River Rd.,	Junction City	Simazine	122	=	ng/L	44.207031	-123.187851
25114	River Rd.,	Junction City	Alkalinity	80		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Nitrate	8.43		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	E. Coli	Absent		NA	44.162701	-123.159477
25114	River Rd.,	Junction City	Temperature	13.7		°C	44.162701	-123.159477
25114	River Rd.,	Junction City	Total Coliform	Absent		NA	44.162701	-123.159477
25114	River Rd.,	Junction City	Atrazine	23	T	ng/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Nitrate	8.43		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Atrazine	23	T	ng/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Magnesium	15.4		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	pH	6.8		SU	44.162701	-123.159477
25114	River Rd.,	Junction City	Atrazine-desethyl	73	=	ng/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Chloride	8.1		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Hardness	128		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Calcium	26		mg/L	44.162701	-123.159477

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25114	River Rd.,	Junction City	Atrazine-desethyl	73	=	ng/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Phosphate	0.06		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Conductivity	282		µmhos/cm	44.162701	-123.159477
25114	River Rd.,	Junction City	Sulfate	12.2		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Sodium	8.23		mg/L	44.162701	-123.159477
25114	River Rd.,	Junction City	Potassium	0.06		mg/L	44.162701	-123.159477
25116	Municipal Well	Junction City	Atrazine	52	=	ng/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Atrazine	52	=	ng/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Chloride	11		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Nitrate	8.89		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	E. Coli	Absent		NA	44.226372	-123.200172
25116	Municipal Well	Junction City	Temperature	11.8		°C	44.226372	-123.200172
25116	Municipal Well	Junction City	Total Coliform	Present		NA	44.226372	-123.200172
25116	Municipal Well	Junction City	Atrazine-desethyl	49	T	ng/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Nitrate	8.89		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Atrazine-desethyl	49	T	ng/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Sodium	10.3		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	pH	6.9		SU	44.226372	-123.200172
25116	Municipal Well	Junction City	Sulfate	14		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Calcium	25		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Conductivity	281		µmhos/cm	44.226372	-123.200172
25116	Municipal Well	Junction City	Potassium	1.13		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Alkalinity	65		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Phosphate	0.05		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Hardness	114		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Magnesium	12.5		mg/L	44.226372	-123.200172
25116	Municipal Well	Junction City	Simazine	117	=	ng/L	44.226372	-123.200172
25117	River Rd.,	Junction City	Alkalinity	75		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Iron	0.051		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Nitrate	8.15		mg/L	44.215462	-123.179619

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25117	River Rd.,	Junction City	Chloride	7.7		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	E. Coli	Absent		NA	44.215462	-123.179619
25117	River Rd.,	Junction City	pH	6.7		SU	44.215462	-123.179619
25117	River Rd.,	Junction City	Sulfate	14.1		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Temperature	13.1		°C	44.215462	-123.179619
25117	River Rd.,	Junction City	Total Coliform	Absent		NA	44.215462	-123.179619
25117	River Rd.,	Junction City	Atrazine	23	T	ng/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Nitrate	8.15		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Atrazine-desethyl	70	=	ng/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Atrazine	23	T	ng/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Phosphate	0.06		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Magnesium	13.6		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Calcium	23.7		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Atrazine-desethyl	70	=	ng/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Hardness	115		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Conductivity	266		µmhos/cm	44.215462	-123.179619
25117	River Rd.,	Junction City	Potassium	0.92		mg/L	44.215462	-123.179619
25117	River Rd.,	Junction City	Sodium	7.39		mg/L	44.215462	-123.179619
25119	River Rd.,	Junction City	Nitrate	8.99		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	E. Coli	Absent		NA	44.215099	-123.176910
25119	River Rd.,	Junction City	Temperature	13.6		°C	44.215099	-123.176910
25119	River Rd.,	Junction City	Total Coliform	Absent		NA	44.215099	-123.176910
25119	River Rd.,	Junction City	Nitrate	8.99		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Chloride	9.1		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Magnesium	15.1		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Hardness	127		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Calcium	26.1		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Alkalinity	70		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Sulfate	14.4		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Conductivity	285		µmhos/cm	44.215099	-123.176910
25119	River Rd.,	Junction City	Sodium	8.46		mg/L	44.215099	-123.176910

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25119	River Rd.,	Junction City	Phosphate	0.05		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	Potassium	0.88		mg/L	44.215099	-123.176910
25119	River Rd.,	Junction City	pH	6.3		SU	44.215099	-123.176910
25135	Howard Lane,	Junction City	Nitrate	9.12		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Ammonia	0.03		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	E. Coli	Absent		NA	44.258572	-123.209396
25135	Howard Lane,	Junction City	Temperature	19.2		°C	44.258572	-123.209396
25135	Howard Lane,	Junction City	Total Coliform	Present		NA	44.258572	-123.209396
25135	Howard Lane,	Junction City	4,4-Isopropylidenediphenol	1108	=	ng/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Nitrate	9.12		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Sulfate	16.8		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	pH	6.8		SU	44.258572	-123.209396
25135	Howard Lane,	Junction City	Atrazine-desethyl	23	=	ng/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Atrazine-desethyl	23	=	ng/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Chloride	8.7		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Alkalinity	71		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Calcium	26.1		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Hardness	125		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Phosphate	0.06		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Conductivity	290		µmhos/cm	44.258572	-123.209396
25135	Howard Lane,	Junction City	Magnesium	14.5		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Sodium	8.37		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Potassium	1.09		mg/L	44.258572	-123.209396
25135	Howard Lane,	Junction City	Malathion	118	=	ng/L	44.258572	-123.209396
25137	Lingo Lane,	Junction City	pH	7.1		SU	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Potassium	1.77		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Chloride	10		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Nitrate	12		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Magnesium	16.7		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Ammonia	0.03		mg/L	44.257839	-123.219337

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25137	Lingo Lane,	Junction City	E. Coli	Absent		NA	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Temperature	13.9		°C	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Total Coliform	Absent		NA	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Nitrate	12		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Phosphate	0.09		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Sodium	9.86		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Hardness	131		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Iron	0.171		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Conductivity	298		µmhos/cm	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Alkalinity	70		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Manganese	0.0128		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Calcium	24.8		mg/L	44.257839	-123.219337
25137	Lingo Lane,	Junction City	Sulfate	12.3		mg/L	44.257839	-123.219337
25140	99 W.,	Junction City	Nitrate	8.85		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	E. Coli	Absent		NA	44.260052	-123.228561
25140	99 W.,	Junction City	Temperature	12.8		°C	44.260052	-123.228561
25140	99 W.,	Junction City	Total Coliform	Present		NA	44.260052	-123.228561
25140	99 W.,	Junction City	Atrazine	40	=	ng/L	44.260052	-123.228561
25140	99 W.,	Junction City	Nitrate	8.85		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Atrazine	40	=	ng/L	44.260052	-123.228561
25140	99 W.,	Junction City	Chloride	9.8		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	pH	6.8		SU	44.260052	-123.228561
25140	99 W.,	Junction City	Atrazine-desethyl	72	=	ng/L	44.260052	-123.228561
25140	99 W.,	Junction City	Atrazine-desethyl	72	=	ng/L	44.260052	-123.228561
25140	99 W.,	Junction City	Sulfate	14.5		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Phosphate	0.06		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Potassium	1.12		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Calcium	22.8		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Hardness	106		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Sodium	7.74		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	Magnesium	11.8		mg/L	44.260052	-123.228561

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
						µmhos/c		
25140	99 W.,	Junction City	Conductivity	247		m	44.260052	-123.228561
25140	99 W.,	Junction City	Alkalinity	52		mg/L	44.260052	-123.228561
25140	99 W.,	Junction City	p,p-DDT	12	=	ng/L	44.260052	-123.228561
25142	Ferguson Rd.,	Junction City	Alkalinity	110		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Phosphate	0.17		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Magnesium	20.6		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Hardness	170		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Calcium	34.2		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Chloride	19		mg/L	44.253181	-123.244110
						µmhos/c		
25142	Ferguson Rd.,	Junction City	Conductivity	404		m	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Sodium	14.1		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Sulfate	21.0		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	pH	7.1		SU	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Atrazine	26	=	ng/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Atrazine	26	=	ng/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Potassium	1.38		mg/L	44.253181	-123.244110
			Atrazine-					
25142	Ferguson Rd.,	Junction City	desethyl	166	=	ng/L	44.253181	-123.244110
			Atrazine-					
25142	Ferguson Rd.,	Junction City	desethyl	166	=	ng/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Nitrate	9.54		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Ammonia	0.02		mg/L	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	E. Coli	Absent		NA	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Temperature	13.6		°C	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Total Coliform	Present		NA	44.253181	-123.244110
25142	Ferguson Rd.,	Junction City	Nitrate	9.54		mg/L	44.253181	-123.244110
			4,4-					
			Isopropylidenedi					
25144	Ferguson Rd.,	Junction City	phenol	978	=	ng/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Calcium	30.2		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Nitrate	10.8		mg/L	44.252140	-123.226189
						µmhos/c		
25144	Ferguson Rd.,	Junction City	Conductivity	333		m	44.252140	-123.226189

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25144	Ferguson Rd.,	Junction City	E. Coli	Absent		NA	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Temperature	12.4		°C	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Total Coliform	Present		NA	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Atrazine	42	T	ng/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Atrazine-desethyl	74	T	ng/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Nitrate	10.8		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Atrazine	42	T	ng/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Atrazine-desethyl	74	T	ng/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Sulfate	18		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Hardness	137		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Chloride	9.1		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	pH	6.9		SU	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Sodium	9.59		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Phosphate	0.07		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Magnesium	15		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Potassium	1.26		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Alkalinity	60		mg/L	44.252140	-123.226189
25144	Ferguson Rd.,	Junction City	Malathion	32	=	ng/L	44.252140	-123.226189
25145	99 E.,	Junction City	Calcium	33.1		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Hardness	156		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Sulfate	21.2		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Conductivity	362		µmhos/cm	44.240528	-123.198372
25145	99 E.,	Junction City	Magnesium	17.9		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Atrazine	70	=	ng/L	44.240528	-123.198372
25145	99 E.,	Junction City	Atrazine	70	=	ng/L	44.240528	-123.198372
25145	99 E.,	Junction City	Chloride	10		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Nitrate	17.8		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	E. Coli	Absent		NA	44.240528	-123.198372
25145	99 E.,	Junction City	Temperature	12.8		°C	44.240528	-123.198372
25145	99 E.,	Junction City	Total Coliform	Present		NA	44.240528	-123.198372
25145	99 E.,	Junction City	Alkalinity	72		mg/L	44.240528	-123.198372

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
			3,4-					
25145	99 E.,	Junction City	Dichloroaniline	40	T	ng/L	44.240528	-123.198372
25145	99 E.,	Junction City	Nitrate	17.8		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	pH	6.8		SU	44.240528	-123.198372
25145	99 E.,	Junction City	Sodium	8.76		mg/L	44.240528	-123.198372
			Atrazine-					
25145	99 E.,	Junction City	desethyl	106	=	ng/L	44.240528	-123.198372
			Atrazine-					
25145	99 E.,	Junction City	desethyl	106	=	ng/L	44.240528	-123.198372
25145	99 E.,	Junction City	Phosphate	0.06		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Potassium	1.12		mg/L	44.240528	-123.198372
25145	99 E.,	Junction City	Metolachlor	26	=	ng/L	44.240528	-123.198372
25145	99 E.,	Junction City	Terbacil	308	=	ng/L	44.240528	-123.198372
25146	99 E.,	Junction City	Phosphate	0.33		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	pH	7.3		SU	44.249599	-123.198318
25146	99 E.,	Junction City	Chloride	16		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Manganese	0.0964		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Sodium	11.6		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Nitrate	1.22		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Ammonia	0.02		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	E. Coli	Absent		NA	44.249599	-123.198318
25146	99 E.,	Junction City	Iron	1.43		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Temperature	13.3		°C	44.249599	-123.198318
25146	99 E.,	Junction City	Total Coliform	Absent		NA	44.249599	-123.198318
25146	99 E.,	Junction City	Nitrate	1.22		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Potassium	1.25		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Alkalinity	68		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Magnesium	8.84		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Hardness	72.7		mg/L	44.249599	-123.198318
						µmhos/c		
25146	99 E.,	Junction City	Conductivity	202		m	44.249599	-123.198318
25146	99 E.,	Junction City	Calcium	14.5		mg/L	44.249599	-123.198318
25146	99 E.,	Junction City	Sulfate	3.11		mg/L	44.249599	-123.198318
25148	Ayes Lane,	Junction City	Nitrate	9.77		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Sulfate	20.1		mg/L	44.250290	-123.195900

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25148	Ayes Lane,	Junction City	E. Coli	Absent		NA	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Temperature	12.5		°C	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Total Coliform	Absent		NA	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Atrazine-desethyl	28	T	ng/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Simazine	43	T	ng/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Nitrate	9.77		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Atrazine-desethyl	28	T	ng/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	pH	6.8		SU	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Calcium	26.3		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Chloride	8.8		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Magnesium	14.9		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Hardness	127		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Conductivity	294		µmhos/cm	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Alkalinity	66		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Phosphate	0.05		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Potassium	0.93		mg/L	44.250290	-123.195900
25148	Ayes Lane,	Junction City	Sodium	7.74		mg/L	44.250290	-123.195900
25149	Ayes Lane,	Junction City	pH	7.3		SU	44.243355	-123.191788
25149	Ayes Lane,	Junction City	4,4-Isopropylidenediphenol	813	=	ng/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Nitrate	13.4		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	E. Coli	Absent		NA	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Temperature	12.3		°C	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Total Coliform	Absent		NA	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Atrazine	28	T	ng/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Atrazine-desethyl	23	T	ng/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Nitrate	13.4		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Atrazine	28	T	ng/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Atrazine-desethyl	23	T	ng/L	44.243355	-123.191788

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25149	Ayes Lane,	Junction City	Sulfate	20.2		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Hardness	142		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Calcium	29.2		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Magnesium	16.8		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Conductivity	327		µmhos/cm	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Chloride	9.2		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Alkalinity	66		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Phosphate	0.05		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Sodium	7.78		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Potassium	0.88		mg/L	44.243355	-123.191788
25149	Ayes Lane,	Junction City	Malathion	29	=	ng/L	44.243355	-123.191788
25194	Coburg Road,	Coburg	Sulfate	43.6		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Potassium	2.27		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Magnesium	18.6		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Phosphate	0.13		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Atrazine	32	=	ng/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Atrazine	32	=	ng/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Hardness	140		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Conductivity	331		µmhos/cm	44.160549	-123.097740
25194	Coburg Road,	Coburg	Sodium	11.1		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	pH	7		SU	44.160549	-123.097740
25194	Coburg Road,	Coburg	Alkalinity	78		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Nitrate	8.18		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Calcium	25.5		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	E. Coli	Absent		NA	44.160549	-123.097740
25194	Coburg Road,	Coburg	Temperature	15.2		°C	44.160549	-123.097740
25194	Coburg Road,	Coburg	Total Coliform	Absent		NA	44.160549	-123.097740
25194	Coburg Road,	Coburg	Nitrate	8.18		mg/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Atrazine-desethyl	120	=	ng/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Atrazine-desethyl	120	=	ng/L	44.160549	-123.097740
25194	Coburg Road,	Coburg	Chloride	6.2		mg/L	44.160549	-123.097740

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25210	Bottom Loop Rd.,	Coburg	pH	7.1		SU	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Potassium	1.66		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Nitrate	9.91		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Alkalinity	75		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Ammonia	0.03		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Phosphate	0.07		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Temperature	13.3		°C	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Nitrate	9.91		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	51	=	ng/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	51	=	ng/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Sodium	8.48		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Magnesium	13.8		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Conductivity	262		µmhos/cm	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Hardness	110		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Calcium	21.2		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Sulfate	10.5		mg/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Bromacil	60	=	ng/L	44.133980	-123.078659
25210	Bottom Loop Rd.,	Coburg	Chloride	4.9		mg/L	44.133980	-123.078659
25211	Bottom Loop Rd.,	Coburg	pH	7.6		SU	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Phosphate	0.08		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Potassium	1.5		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Nitrate	8.35		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Alkalinity	69		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Ammonia	0.03		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Temperature	18.2		°C	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Nitrate	8.35		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	50	=	ng/L	44.134670	-123.087593

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25211	Bottom Loop Rd.,	Coburg	Atrazine-desethyl	50	=	ng/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Sodium	8.13		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Magnesium	11.9		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Calcium	18.7		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Hardness	95.9		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Conductivity	231		µmhos/cm	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Sulfate	7.69		mg/L	44.134670	-123.087593
25211	Bottom Loop Rd.,	Coburg	Chloride	4.6		mg/L	44.134670	-123.087593
25939	Bottom Loop Rd.,	Coburg	Potassium	2.27		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Conductivity	349		µmhos/cm	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Hardness	148		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Calcium	30.5		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Magnesium	17.5		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Nitrate	18		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Alkalinity	75		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Ammonia	0.02		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	E. Coli	Absent		NA	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Sulfate	15.6		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Temperature	13.2		°C	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Total Coliform	Absent		NA	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Nitrate	18		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Sodium	9.22		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	pH	6.8		SU	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Chloride	6.7		mg/L	44.136028	-123.089783
25939	Bottom Loop Rd.,	Coburg	Phosphate	0.04		mg/L	44.136028	-123.089783
25940	CBLR - UGB		Nitrate	18.9		mg/L	44.135422	-123.098488
25940	CBLR - UGB		E. Coli	Absent		NA	44.135422	-123.098488
25940	CBLR - UGB		Total Coliform	Present		NA	44.135422	-123.098488
25940	CBLR - UGB		Nitrate	18.9		mg/L	44.135422	-123.098488
25940	CBLR - UGB		Phosphate	0.03		mg/L	44.135422	-123.098488
25944	Coburg Rd.,	Coburg	pH	7.4		SU	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Sulfate	30.7		mg/L	44.185291	-123.073662

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25944	Coburg Rd.,	Coburg	Phosphate	0.15		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Potassium	2.09		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Magnesium	18.1		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Nitrate	8.55		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Sodium	10.9		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Temperature	14.6		°C	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Total Coliform	Present		NA	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Nitrate	8.55		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Conductivity	307		µmhos/cm	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Alkalinity	73		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Hardness	131		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Atrazine-desethyl	171	=	ng/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Atrazine-desethyl	171	=	ng/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Chloride	6.2		mg/L	44.185291	-123.073662
25944	Coburg Rd.,	Coburg	Calcium	22.6		mg/L	44.185291	-123.073662
25946	Coburg Rd.,	Coburg	pH	7.1		SU	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Alkalinity	83		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Sodium	12.3		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Potassium	1.75		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Phosphate	0.1		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Nitrate	7		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Chloride	7.9		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Ammonia	0.03		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Temperature	14.6		°C	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Total Coliform	Absent		NA	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Nitrate	7		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Magnesium	13.3		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Conductivity	265		µmhos/cm	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Sulfate	11		mg/L	44.181648	-123.072456

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25946	Coburg Rd.,	Coburg	Hardness	106		mg/L	44.181648	-123.072456
25946	Coburg Rd.,	Coburg	Calcium	20.4		mg/L	44.181648	-123.072456
25947	Coburg Rd.,	Coburg	Potassium	2.3		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Sulfate	22.3		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	pH	7.1		SU	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Alkalinity	85		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Phosphate	0.1		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Magnesium	16.3		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Sodium	10.2		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Nitrate	9.17		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Conductivity	307		µmhos/cm	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Ammonia	0.02		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	E. Coli	Absent		NA	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Temperature	14.8		°C	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Total Coliform	Absent		NA	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Atrazine	24	T	ng/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Nitrate	9.17		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Atrazine	24	T	ng/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Hardness	127		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Atrazine-desethyl	108	=	ng/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Atrazine-desethyl	108	=	ng/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Calcium	24.2		mg/L	44.166180	-123.071533
25947	Coburg Rd.,	Coburg	Chloride	5.8		mg/L	44.166180	-123.071533
25957	River Rd.,	Junction City	Nitrate	9.41		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	E. Coli	Absent		NA	44.185188	-123.169746
25957	River Rd.,	Junction City	Temperature	13.7		°C	44.185188	-123.169746
25957	River Rd.,	Junction City	Total Coliform	Present		NA	44.185188	-123.169746
25957	River Rd.,	Junction City	Atrazine-desethyl	21	T	ng/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Simazine	27	T	ng/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Nitrate	9.41		mg/L	44.185188	-123.169746

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
25957	River Rd.,	Junction City	Atrazine-desethyl	21	T	ng/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Phosphate	0.07		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Alkalinity	71		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Calcium	25.3		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Hardness	120		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Sulfate	12.5		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Magnesium	13.7		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Chloride	6.7		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Conductivity	275		µmhos/cm	44.185188	-123.169746
25957	River Rd.,	Junction City	Sodium	8.12		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	Potassium	1.05		mg/L	44.185188	-123.169746
25957	River Rd.,	Junction City	pH	6.42		SU	44.185188	-123.169746
25957	River Rd.,	Junction City	pH	6.4		SU	44.185188	-123.169746
25959	Smith Lane,	Coburg	Potassium	1.95		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Calcium	29.7		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Conductivity	326		µmhos/cm	44.132710	-123.087753
25959	Smith Lane,	Coburg	Hardness	136		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Magnesium	15		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Sulfate	14		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Sodium	8.55		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Nitrate	18.5		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	E. Coli	Absent		NA	44.132710	-123.087753
25959	Smith Lane,	Coburg	Temperature	13.2		°C	44.132710	-123.087753
25959	Smith Lane,	Coburg	Total Coliform	Absent		NA	44.132710	-123.087753
25959	Smith Lane,	Coburg	Nitrate	18.5		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Alkalinity	66		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	pH	6.6		SU	44.132710	-123.087753
25959	Smith Lane,	Coburg	Chloride	5.9		mg/L	44.132710	-123.087753
25959	Smith Lane,	Coburg	Phosphate	0.03		mg/L	44.132710	-123.087753
28896	Maple St.,	Coburg	Conductivity	476		µmhos/cm	44.132950	-123.061234
28896	Maple St.,	Coburg	Phosphate	0.07		mg/L	44.132950	-123.061234

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
28896	Maple St.,	Coburg	Ammonia	0.03		mg/L	44.132950	-123.061234
28896	Maple St.,	Coburg	Temperature	16.1		°C	44.132950	-123.061234
28896	Maple St.,	Coburg	Nitrate	0.469		mg/L	44.132950	-123.061234
28896	Maple St.,	Coburg	Nitrate	0.469		mg/L	44.132950	-123.061234
28896	Maple St.,	Coburg	pH	6.7		SU	44.132950	-123.061234
28897	Thomas St.,	Coburg	3,4-Dichloroaniline	38	=	ng/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Potassium	2.89		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Alkalinity	156		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Magnesium	20.9		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Hardness	170		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Chloride	18		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Calcium	33.5		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Conductivity	377		µmhos/cm	44.132118	-123.061218
28897	Thomas St.,	Coburg	Sodium	13.9		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Phosphate	0.11		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Iron	0.052		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Nitrate	2.5		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	pH	6.8		SU	44.132118	-123.061218
28897	Thomas St.,	Coburg	E. Coli	Present		NA	44.132118	-123.061218
28897	Thomas St.,	Coburg	Temperature	14.5		°C	44.132118	-123.061218
28897	Thomas St.,	Coburg	Total Coliform	Present		NA	44.132118	-123.061218
28897	Thomas St.,	Coburg	Nitrate	2.5		mg/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Atrazine-desethyl	50	=	ng/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Atrazine-desethyl	50	=	ng/L	44.132118	-123.061218
28897	Thomas St.,	Coburg	Sulfate	7.06		mg/L	44.132118	-123.061218
28898	Coburg Road	Coburg	pH	7		SU	44.142029	-123.073303
28898	Coburg Road	Coburg	Ammonia	0.02	est	mg/L	44.142029	-123.073303
28898	Coburg Road	Coburg	Temperature	14.3		°C	44.142029	-123.073303
28898	Coburg Road	Coburg	Nitrate	7.87		mg/L	44.142029	-123.073303
28898	Coburg Road	Coburg	Nitrate	7.87		mg/L	44.142029	-123.073303
28898	Coburg Road	Coburg	Phosphate	0.04		mg/L	44.142029	-123.073303

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
28898	Coburg Road	Coburg	Conductivity	239		µmhos/cm	44.142029	-123.073303
28899	Funke Road	Coburg	Temperature	15.1		°C	44.125942	-123.072998
28899	Funke Road	Coburg	Nitrate	15.4		mg/L	44.125942	-123.072998
28899	Funke Road	Coburg	Nitrate	15.4		mg/L	44.125942	-123.072998
28899	Funke Road	Coburg	Conductivity	278		µmhos/cm	44.125942	-123.072998
28899	Funke Road	Coburg	pH	6.5		SU	44.125942	-123.072998
28899	Funke Road	Coburg	Phosphate	0.02		mg/L	44.125942	-123.072998
29021	Columbus St. S.E.	Albany	pH	7.7		SU	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Alkalinity	114		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Aluminum	0.075		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Phosphate	0.15		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Sodium	11.7		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Iron	1.53		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Manganese	0.0157		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Nitrate	0.467		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Calcium	22.9		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Hardness	112		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Magnesium	13.3		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Conductivity	256		µmhos/cm	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Potassium	0.98		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	E. Coli	Absent		NA	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Temperature	14.1		°C	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Total Coliform	Absent		NA	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Nitrate	0.467		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Chloride	4.4		mg/L	44.556656	-123.065903
29021	Columbus St. S.E.	Albany	Sulfate	0.71		mg/L	44.556656	-123.065903
29022	Wolcott Rd.	Corvallis	Sodium	51.7		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Atrazine	37	=	ng/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Atrazine	37	=	ng/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Chloride	8.9		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	pH	6.8		SU	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Phosphate	0.06		mg/L	44.577641	-123.231056

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
29022	Wolcott Rd.	Corvallis	Alkalinity	63		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Nitrate	6.86		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Sulfate	9.86		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	E. Coli	Absent		NA	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Temperature	13.1		°C	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Total Coliform	Absent		NA	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Conductivity	232		µmhos/cm	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Atrazine-desethyl	218	=	ng/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Atrazine-desethyl	218	=	ng/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Nitrate	6.86		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Calcium	0.16		mg/L	44.577641	-123.231056
29022	Wolcott Rd.	Corvallis	Hardness	0.80		mg/L	44.577641	-123.231056
29023	Old River Rd.,	Monroe	Phosphate	0.91		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Chloride	61		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Sodium	47.7		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Conductivity	353		µmhos/cm	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Manganese	0.0452		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	pH	7.0		SU	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Iron	1.39		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Alkalinity	66		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Potassium	1.03		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Nitrate	0.0993		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Ammonia	0.13		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Arsenic	0.010		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	E. Coli	Absent		NA	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Temperature	14.0		°C	44.350151	-123.268410
29023	Old River Rd.,	Monroe	TKN	0.4		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Total Coliform	Absent		NA	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Nitrate	0.0993		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Calcium	18.4		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Hardness	54.5		mg/L	44.350151	-123.268410

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
29023	Old River Rd.,	Monroe	Magnesium	2.08		mg/L	44.350151	-123.268410
29023	Old River Rd.,	Monroe	Sulfate	2.04		mg/L	44.350151	-123.268410
29024	Old River Rd.,	Monroe	Atrazine	76	=	ng/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Atrazine	76	=	ng/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Phosphate	0.09		mg/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Nitrate	19.4		mg/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Ammonia	0.03		mg/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Atrazine-desethyl	571	=	ng/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Atrazine-desethyl	571	=	ng/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Metolachlor	27	T	ng/L	44.350479	-123.268311
29024	Old River Rd.,	Monroe	Nitrate	19.4		mg/L	44.350479	-123.268311
29025	Coburg Road	Coburg	pH	6.7		SU	44.141529	-123.073036
29025	Coburg Road	Coburg	Nitrate	7.06		mg/L	44.141529	-123.073036
29025	Coburg Road	Coburg	Phosphate	0.04		mg/L	44.141529	-123.073036
29025	Coburg Road	Coburg	E. Coli	Absent		NA	44.141529	-123.073036
29025	Coburg Road	Coburg	Temperature	14.6		°C	44.141529	-123.073036
29025	Coburg Road	Coburg	Total Coliform	Absent		NA	44.141529	-123.073036
29025	Coburg Road	Coburg	Nitrate	7.06		mg/L	44.141529	-123.073036
29025	Coburg Road	Coburg	Conductivity	207		µmhos/cm	44.141529	-123.073036
29032	Electric Rd	Corvallis	Alkalinity	82		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Chloride	8.2		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Magnesium	14.7		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Phosphate	0.07		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Sulfate	12.4		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Hardness	117		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Conductivity	271		µmhos/cm	44.575790	-123.240410
29032	Electric Rd	Corvallis	Calcium	22.8		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	pH	6.6		SU	44.575790	-123.240410
29032	Electric Rd	Corvallis	Nitrate	6.69		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Sodium	7.24		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Potassium	0.83		mg/L	44.575790	-123.240410

LASAR	Location		Parameter	Result Text	Qualifier	Unit	Lat	Long
29032	Electric Rd	Corvallis	Ammonia	0.02		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	E. Coli	Absent		NA	44.575790	-123.240410
29032	Electric Rd	Corvallis	Temperature	13.1		°C	44.575790	-123.240410
29032	Electric Rd	Corvallis	Total Coliform	Absent		NA	44.575790	-123.240410
29032	Electric Rd	Corvallis	Atrazine-desethyl	43	T	ng/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Nitrate	6.69		mg/L	44.575790	-123.240410
29032	Electric Rd	Corvallis	Atrazine-desethyl	43	T	ng/L	44.575790	-123.240410

ATTACHMENT D

ODA Summary of
2002 UPPER WILLAMETTE GROUNDWATER METHOD

Extraction Overview:

Extraction

1. Measure 1L of sample using a 1L graduated cylinder.
2. Add 10 µL of surrogate solution (20ppm DCAA, decachlorobiphenyl).
3. Affix an Oasis MAX 6cc/500mg cartridge to the vacuum manifold.
4. Condition/rinse the cartridge using 10mL of ATM (60% Acetone/20% Toluene/20% Methanol) followed by 10mL methanol, then 10mL of water.
5. Pull entire sample through columns under vacuum at a flow rate of ~ 1 drop/second.
6. Wash columns with 2 x 5mL of HOH.
7. Pull air through the cartridge for 1 minute to remove the bulk of the water.
8. Affix the cartridge to the N-Vap using the transfer line (see someone who can demonstrate this), and blow air through at 15 psi for 1 hour.

Elution

9. Affix the dry cartridge to the manifold with a 10mL glass tube as a receiver.
10. Using gravity elute fraction B (neutrals with 10 mL of ATM. Use a pipet bulb to blow the last mL's from the cartridge bed into the tube.
11. Replace the tube with a new tube to collect fraction A (acidics).
12. Elute fraction A using 10 mL's MMT (89% MeOH, 10% MTBE, 1% TFA).

Analysis of Fraction A (Acidics)

13. Using air blow down fraction A just to dryness. *Note: It is important that this be taken to dryness and that all the TFA is blown away. Residual TFA will interfere with methylation. The best test for the presence of TFA is a quick sniff.
14. Resuspend the residuum in 2 mL of acetone.
15. Bubble diazomethane through until the yellow color is strong and remains.
16. Cap and let stand for 30 minutes.
17. Blow down to dryness.
18. Resuspend in 0.5 mL of acetone containing 0.5 ppm DBOB as internal standard.
19. Inject 10 µL on the GC/MS using the method "pacet" (2x 5µl on the PTV optimized for acetone).
20. Screen using AMDIS.
21. Calculate recoveries of the internal, surrogate, and spiking compounds using Chemstations.
22. Quantify any positives using Chemstations.

Analysis of Fraction B (Neutrals)

23. Using air blow down fraction B just to dryness.
24. Resuspend in 0.5 mL of acetone containing 0.5 ppm DBOB as an internal standard.
25. Inject 10 µL on the GC/MS using the method "pacet" (2x 5µL on the PTV optimized for acetone).
26. Screen using AMDIX.
27. Calculate recoveries of the internal, surrogate, and spiking compounds using Chemstations.
28. Quantify any positives using Chemstations.